

Appendix D Title VI Policy Statement

DEPARTMENT OF TRANSPORTATION

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March 2013

**NON-DISCRIMINATION
POLICY STATEMENT**

The California Department of Transportation, under Title VI of the Civil Rights Act of 1964 and related statutes, ensures that no person in the State of California shall, on the grounds of race, color, national origin, sex, disability, religion, sexual orientation, or age, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity it administers.

For information or guidance on how to file a complaint based on the grounds of race, color, national origin, sex, disability, religion, sexual orientation, or age, please visit the following web page: http://www.dot.ca.gov/hq/bep/title_vi/t6_violated.htm.

Additionally, if you need this information in an alternate format, such as in Braille or in a language other than English, please contact the California Department of Transportation, Office of Business and Economic Opportunity, 1823 14th Street, MS-79, Sacramento, CA 95811. Telephone: (916) 324-0449, TTY: 711, or via Fax: (916) 324-1949.

A handwritten signature in blue ink, appearing to read "Malcolm Dougherty".

MALCOLM DOUGHERTY
Director

"Caltrans improves mobility across California"

Appendix E Summary of Relocation Benefits and Relocation Impact Memorandum

California Department of Transportation Relocation Assistance Program

RELOCATION ASSISTANCE ADVISORY SERVICES

DECLARATION OF POLICY

“The purpose of this title is to establish a **uniform policy for fair and equitable treatment** of persons displaced as a result of federal and federally assisted programs in order that such persons **shall not suffer disproportionate injuries** as a result of programs designed for the benefit of the public as a whole.”

The Fifth Amendment to the U.S. Constitution states, “No Person shall...be deprived of life, liberty, or property, without due process of law, nor shall private property be taken for public use without just compensation.” The Uniform Act sets forth in statute the due process that must be followed in Real Property acquisitions involving federal funds. Supplementing the Uniform Act is the government-wide single rule for all agencies to follow, set forth in 49 Code of Federal Regulations (CFR) Part 24. Displaced individuals, families, businesses, farms, and nonprofit organizations may be eligible for relocation advisory services and payments, as discussed below.

FAIR HOUSING

The Fair Housing Law (Title VIII of the Civil Rights Act of 1968) sets forth the policy of the United States to provide, within constitutional limitations, for fair housing. This act, and as amended, makes discriminatory practices in the purchase and rental of most residential units illegal. Whenever possible, minority persons shall be given reasonable opportunities to relocate to any available housing regardless of neighborhood, as long as the replacement dwellings are decent, safe, and sanitary and are within their financial means. This policy, however, does not require Caltrans to provide a person a larger payment than is necessary to enable a person to relocate to a comparable replacement dwelling.

Any persons to be displaced will be assigned to a relocation advisor, who will work closely with each displacee in order to see that all payments and benefits are fully utilized and that all regulations are observed, thereby avoiding the possibility of displacees jeopardizing or forfeiting any of their benefits or payments. At the time of the initiation of negotiations (usually the first written offer to purchase), owner-occupants are given a detailed explanation of the state’s relocation services. Tenant occupants of properties to be acquired are contacted soon after the initiation of negotiations and also are given a detailed explanation of the Caltrans Relocation Assistance Program. To avoid loss of possible benefits, no individual, family, business, farm, or nonprofit organization should commit to purchase or rent a replacement property without first contacting a Department relocation advisor.

RELOCATION ASSISTANCE ADVISORY SERVICES

In accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, the Department will provide relocation advisory assistance to any person, business, farm or nonprofit organization displaced as a result of the acquisition of real property for public use, so long as they are legally present in the United States. The Department

will assist eligible displacees in obtaining comparable replacement housing by providing current and continuing information on the availability and prices of both houses for sale and rental units that are “decent, safe and sanitary.” Nonresidential displacees will receive information on comparable properties for lease or purchase (for business, farm and nonprofit organization relocation services, see below).

Residential replacement dwellings will be in a location generally not less desirable than the displacement neighborhood at prices or rents within the financial ability of the individuals and families displaced, and reasonably accessible to their places of employment. Before any displacement occurs, comparable replacement dwellings will be offered to displacees that are open to all persons regardless of race, color, religion, sex, national origin, and consistent with the requirements of Title VIII of the Civil Rights Act of 1968. This assistance will also include the supplying of information concerning federal and state assisted housing programs and any other known services being offered by public and private agencies in the area.

Persons who are eligible for relocation payments and who are legally occupying the property required for the project will not be asked to move without first being given at least 90 days written notice. Residential occupants eligible for relocation payment(s) will not be required to move unless at least one comparable “decent, safe and sanitary” replacement dwelling, available on the market, is offered to them by the Department.

RESIDENTIAL RELOCATION PAYMENTS

The Relocation Assistance Program will help eligible residential occupants by paying certain costs and expenses. These costs are limited to those necessary for or incidental to the purchase or rental of a replacement dwelling and actual reasonable moving expenses to a new location within 50 miles of the displacement property. Any actual moving costs in excess of the 50 miles are the responsibility of the displacee. The Residential Relocation Assistance Program can be summarized as follows:

Moving Costs

Any displaced person, who lawfully occupied the acquired property, regardless of the length of occupancy in the property acquired, will be eligible for reimbursement of moving costs. Displacees will receive either the actual reasonable costs involved in moving themselves and personal property up to a maximum of 50 miles, or a fixed payment based on a fixed moving cost schedule. Lawful occupants who move into the displacement property after the initiation of negotiations must wait until the Department obtains control of the property in order to be eligible for relocation payments.

Purchase Differential

In addition to moving and related expense payments, fully eligible homeowners may be entitled to payments for increased costs of replacement housing.

Homeowners who have owned and occupied their property for 180 days or more prior to the date of the initiation of negotiations (usually the first written offer to purchase the property), may qualify to receive a price differential payment and may qualify to receive reimbursement for certain nonrecurring costs incidental to the purchase of the replacement property. An interest differential payment is also available if the interest rate for the loan on the replacement dwelling is higher than the loan rate on the displacement dwelling, subject to certain limitations on reimbursement based upon the replacement property interest rate. The maximum combination of these three supplemental payments that the owner-occupant can receive is \$22,500.

If the total entitlement (without the moving payments) is in excess of \$22,500, the Last Resort Housing Program will be used (see the explanation of the Last Resort Housing Program below).

Rent Differential

Tenants and certain owner-occupants (based on length of ownership) who have occupied the property to be acquired by the Department prior to the date of the initiation of negotiations may qualify to receive a rent differential payment. This payment is made when the Department determines that the cost to rent a comparable “decent, safe and sanitary” replacement dwelling will be more than the present rent of the displacement dwelling. As an alternative, the tenant may qualify for a down payment benefit designed to assist in the purchase of a replacement property and the payment of certain costs incidental to the purchase, subject to certain limitations noted under the *Down Payment* section below. The maximum amount payable to any eligible tenant and any owner-occupant of less than 180 days, in addition to moving expenses, is \$5,250. If the total entitlement for rent supplement exceeds \$5,250, the Last Resort Housing Program will be used.

To receive any relocation benefits, the displaced person must buy or rent and occupy a “decent, safe and sanitary” replacement dwelling within one year from the date the Department takes legal possession of the property, or from the date the displacee vacates the displacement property, whichever is later.

Down Payment

The down payment option has been designed to aid owner-occupants of less than 180 days and tenants in legal occupancy prior to the Department’s initiation of negotiations. The down payment and incidental expenses cannot exceed the maximum payment of \$5,250. The one-year eligibility period in which to purchase and occupy a “decent, safe and sanitary” replacement dwelling will apply.

Last Resort Housing

Federal regulations (49 CFR 24) contain the policy and procedure for implementing the Last Resort Housing Program on federal-aid projects. Last Resort Housing benefits are, except for the amounts of payments and the methods in making them, the same as those benefits for standard residential relocation as explained above. Last Resort Housing has been designed primarily to cover situations where a displacee cannot be relocated because of lack of available comparable replacement housing, or when the anticipated replacement housing payments exceed the \$22,500 and \$5,250 limits of the standard relocation procedure, because either the displacee lacks the financial ability or other valid circumstances.

After the initiation of negotiations, the Department will within a reasonable length of time, personally contact the displacees to gather important information, including the following:

- Number of people to be displaced.
- Specific arrangements needed to accommodate any family member(s) with special needs.
- Financial ability to relocate into comparable replacement dwelling which will adequately house all members of the family.
- Preferences in area of relocation.
- Location of employment or school.

NONRESIDENTIAL RELOCATION ASSISTANCE

The Nonresidential Relocation Assistance Program provides assistance to businesses, farms and nonprofit organizations in locating suitable replacement property, and reimbursement for certain costs involved in relocation. The Relocation Advisory Assistance Program will provide current lists of properties offered for sale or rent, suitable for a particular business's specific relocation needs. The types of payments available to eligible businesses, farms and nonprofit organizations are: searching and moving expenses, and possibly reestablishment expenses; or a fixed in lieu payment instead of any moving, searching and reestablishment expenses. The payment types can be summarized as follows:

Moving Expenses

Moving expenses may include the following actual, reasonable costs:

- The moving of inventory, machinery, equipment and similar business-related property, including: dismantling, disconnecting, crating, packing, loading, insuring, transporting, unloading, unpacking, and reconnecting of personal property. Items acquired in the right-of-way contract may not be moved under the Relocation Assistance Program. If the displacee buys an Item Pertaining to the Realty back at salvage value, the cost to move that item is borne by the displacee.
- Loss of tangible personal property provides payment for actual, direct loss of personal property that the owner is permitted not to move.
- Expenses related to searching for a new business site, up to \$2,500, for reasonable expenses actually incurred.

Reestablishment Expenses

Reestablishment expenses related to the operation of the business at the new location, up to \$10,000 for reasonable expenses actually incurred.

Fixed In Lieu Payment

A fixed payment in lieu of moving, searching, and reestablishment payments may be available to businesses that meet certain eligibility requirements. This payment is an amount equal to half the average annual net earnings for the last two taxable years prior to the relocation and may not be less than \$1,000 nor more than \$20,000.

ADDITIONAL INFORMATION

Reimbursement for moving costs and replacement housing payments are not considered income for the purpose of the Internal Revenue Code of 1954, or for the purpose of determining the extent of eligibility of a displacee for assistance under the Social Security Act, or any other law, except for any federal law providing local “Section 8” Housing Programs.

Any person, business, farm or nonprofit organization that has been refused a relocation payment by the Department relocation advisor or believes that the payment(s) offered by the agency are inadequate may appeal for a special hearing of the complaint. No legal assistance is required. Information about the appeal procedure is available from the relocation advisor.

California law allows for the payment for lost goodwill that arises from the displacement for a public project. A list of ineligible expenses can be obtained from Caltrans Right-of-Way. California’s law and the federal regulations covering relocation assistance provide that no payment shall be duplicated by other payments being made by the displacing agency.

RESIDENTIAL RELOCATION PAYMENTS PROGRAMS

- http://www.dot.ca.gov/hq/row/pubs/residential_english.pdf
- http://www.dot.ca.gov/hq/row/pubs/residential_spanish.pdf
- http://www.dot.ca.gov/hq/row/pubs/mobile_eng.pdf
- http://www.dot.ca.gov/hq/row/pubs/mobile_sp.pdf

THE BUSINESS AND FARM RELOCATION ASSISTANCE PROGRAM

- http://www.dot.ca.gov/hq/row/pubs/business_farm.pdf
- http://www.dot.ca.gov/hq/row/pubs/business_sp.pdf

Appendix F Mitigation Summary/Environmental Commitment Record

Caltrans, as the lead agency under the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), has developed an Environmental Commitment Record for the North County Corridor New State Route 108 Project. This list is designed to ensure that the avoidance, minimization, and/or mitigation measures identified in the project's Environmental Impact Report/Environmental Impact Statement are implemented prior to, during, and after completion of construction.

The following table contains a list of the avoidance, minimization, and/or mitigation measures. For each measure, the table identifies timing of implementation, party responsible for implementation, completion check box, and space for initials.

Caltrans, as the CEQA and NEPA lead agency, is responsible for ensuring that these environmental commitments are carried out prior to, during, and after construction.

Mitigation Summary/Environmental Commitments Record for EA 10-0S8000/ID 100000263

Last updated February 22, 2019

North County Corridor New State Route 108 Project

EP:

DISTRICT 10 – STA – 108

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Commitments						
Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
Farmland						
Relocations						
Measure RLC-1: Caltrans shall comply with the Uniform Relocation Assistance Real Property Acquisition Policies Act of 1970, as amended in 1987. Caltrans shall provide relocation advisory assistance to any person, business, farm, or nonprofit organization relocated as a result of the projects acquisition of real property for public use.	Prior to construction	Caltrans/NCCTEA	Avoidance	<input type="checkbox"/>	_____	
Utilities/Emergency Services						
Measure UTL/ES-2: Emergency services, local law enforcement agencies, and local businesses will be notified of the proposed project prior to the start of construction. Notification of specific lane closures shall be provided by the contractor 48 hours before the closure occurs.	Prior to construction	Caltrans / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Paleontology						
Mitigation Measure PER-1: The Paleontological Mitigation Plan (PMP) shall be implemented to mitigate impacts to paleontological resources during ground-disturbing activities. The PMP includes a discussion of area geology, the types of paleontological resources that may be present, locations within the project that are likely to contain paleontological resources, recommended	Prior to construction	Caltrans/NCCTEA	Mitigation	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
<p>monitoring and laboratory methods, an estimated cost breakdown for the monitoring program, and recommendations.</p> <p>The PMP incorporates the 'Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources' published by the Society of Vertebrate Paleontology (2010) along with conditions of receivership that the repository institution will require when receiving fossils recovered during construction of the project.</p>						
Hazardous Waste or Materials						
Biological Environment						
<i>Plant Species</i>						
<p>Measure BIO-9: If any of the target species are identified during the surveys, a plan shall be prepared to address potential impacts the identified plant species. The plan shall include measures to account for the type of impact to the species, potentially ranging from establishment of ESAs and protective fencing if the target plant were to be located near the project footprint but would not be directly impacted, to a comprehensive salvage and replacement program if target plant would be removed during project construction.</p>	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
Compensatory mitigation would be required if any of the vernal pool plants described above would be removed during project construction. Compensation shall consist one of the following two options, or combination of the two.						
Mitigation Measure BIO-10: Preservation of suitable habitat at an offsite location (enhancement of the habitat at the offsite location may also be a component of the compensation). The compensation habitat shall be of commensurate or higher ecological value than the habitat that would be removed. The compensation area shall be protected in perpetuity by a conservation easement or equivalent means.	Prior to construction	Caltrans / NCCTEA	Mitigation	<input type="checkbox"/>	_____	
Mitigation Measure BIO-11: Credits shall be purchased at a mitigation bank approved by USFWS and/or CDFW, as appropriate based on the species in question, to compensate for the loss of habitat as a result of project implementation.	Prior to construction	Caltrans / NCCTEA	Mitigation	<input type="checkbox"/>	_____	
<i>Bats</i>						
Measure BIO-12: A qualified bat biologist shall conduct a detailed survey of all structures that would be removed during construction and that could provide potential roost habitat for bats. If any structure exhibits signs of bat use, the structure shall not be demolished until bats can be humanely evicted as described below.	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
<p>a. Structure Option 1. All potential, but currently unused entry points into the structure are sealed. The active entry points are fitted with one-way exits, which are left in place 7-10 days to allow all bats to emerge normally during nightly feeding flights. The one-way exits are then removed and the remaining openings sealed until demolition if it will occur more than 30 days after demolition. If the interval between successful eviction and demolition will be short (less than 4 weeks), the one-way exits may often be left in place until demolition. This work shall be conducted by a biologist or other individual qualified in humane bat eviction methods and materials, or be conducted under the supervision a biologist or other individual with these qualifications.</p> <p>b. Structure Option 2. In some cases, the physical condition of the structure is so poor that humane eviction as described above is not possible. If that occurs, the building shall be carefully and selectively dismantled in such a way that the internal environment is altered to a degree sufficient to cause</p>						

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
bats to abandon the roost and not return. Dismantling shall occur under the guidance of a biologist or other individual qualified in partial dismantling of structures for bat eviction.						
<p>Measure BIO-13: A qualified bat biologist shall conduct a detailed survey of all trees that would be removed during construction and that could provide potential roost habitat for bats. Following the survey, any trees that can be determined unsuitable for bats roosts (e.g., shallow crevices in bark or wood) or the absence of bats can be determined through visual inspection of the roost features (e.g., accessible by boom truck, man lift, a visual inspection using fiber optic or video probes), shall not be subject to further restrictions for removal. If any tree exhibits signs of bat use or cannot be visually inspected, the following two-step method shall be followed to remove the tree.</p> <p>a. On the first day, all non-habitat branches and limbs shall be cut from habitat trees using chainsaws only (no excavators or other heavy machinery). This activity shall be supervised by a biologist or other individual qualified in two-step tree removal of potential bat roost trees for sufficient length of time to train all tree cutters. The noise and</p>	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
<p>vibration disturbance, together with the visible alteration of the tree, is very effective in causing bats that emerge nightly to feed, to not return to the roost that night.</p> <p>b. On the second day, the remainder of the tree is removed. Supervision by a qualified biologist or other qualified individual shall not be required on the second day unless a very large cavity is present and a large colony is suspected.</p>						
<p>Measure BIO-14: The bat eviction methods described above in measures BIO-12, and BIO-13 shall only be conducted during seasonal periods of bat activity (see below), but shall avoid the period of April 16 to August 31 when non-volant young could be present. In this region, the two primary active periods are from March 1 to April 15 (or after evening temperatures rise above 45 °F and/or no more than 0.5 in of rainfall within 24 hours occurs), or between September 1 and October 15 (or before evening temperatures fall below 45 °F and/or more than 0.5 in of rainfall within 24 hours occurs).</p>	Prior to construction	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	
<p>Measure BIO-15: If determined necessary by a qualified bat biologist, acoustical sampling and/or emergence surveys shall be conducted to provide an index of the bat species and relative abundance</p>	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
for a specific potential roost. The methodology for the acoustical sampling and emergence surveys (including location, frequency, and duration) shall be developed by a qualified bat biologist in coordination with CDFW.						
<p>Mitigation Measure BIO-16: To the extent practicable, the preferred Build Alternative shall be designed to avoid and minimize impacts to potential bat roost habitat.</p> <p>If a significant roost site is identified within the project footprint and cannot be avoided, replacement roost habitat shall be required via an artificial bat roost (e.g., bat house). The design, siting, and placement of replacement roost habitat shall be implemented by, or under the supervision of, a qualified bat biologist possessing a Memorandum of Understanding with the CDFW.</p> <p>Replacement roost habitat shall be monitored annually for 3 consecutive years following installation. The survey protocol shall be determined by a qualified bat biologist based on the target roost type for the replacement roost (e.g., day maternity roost).</p>	Prior to construction	Caltrans / NCCTEA	Mitigation	<input type="checkbox"/>	_____	

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<i>Northern Harrier, California Horned Lark, and Loggerhead shrike</i>						
Measure BIO-17: If construction begins during the nesting season (February 15 to September 15), a survey for nesting birds (with a particular focus on sensitive bird species) shall be conducted within the project footprint and within a 100-foot radius by a qualified biologist. The survey shall be conducted a maximum of 14 days prior to the start of construction.	Prior to construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
<i>White-tailed Kite</i>						
Measure BIO-21: If construction begins during the nesting season (February 15 to September 15), a survey for nesting white-tailed kites shall be conducted within the project footprint and within a 600-foot radius by a qualified biologist. The survey shall be conducted a maximum of 14 days prior to the start of construction.	Prior to construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-22: If nesting white-tailed kites are found within 600 feet of the project footprint during the survey, an initial setback of 600 feet from nesting areas shall be established and protected with ESA fencing. ESA fencing shall consist of brightly colored fencing and shall be maintained in good condition during the nesting season until construction is complete or the young have fledged, as determined by a qualified biologist.	Prior to construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Measure BIO-23: A qualified biologist shall evaluate the potential for the proposed work to disturb nesting activities considering the 600-foot setback. The evaluation criteria shall include, but are not limited to, the location/orientation of the nest in the nest tree, the distance of the nest to the work limits, the line of sight between the nest and the work limits, and the description of the proposed work.	Prior to construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-24: If the qualified biologist determines that the setback can be reduced, initial construction activities in the vicinity of the nest shall be monitored by a qualified biologist. If the biologist determines nesting is not affected by construction activities with the reduced setback, work can proceed. If it is determined that construction activities are adversely affecting the nesting birds with the reduced setback, all construction within 600 feet of a nest shall be halted until the biologist can establish an appropriate setback.	Prior to construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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<i>Western Spadefoot Toad</i>						
Measure BIO-30: To the extent practicable, Build Alternative 1B shall include design features such as retaining walls and non-standard slope gradients to avoid and minimize impacts to western spadefoot toad habitat.	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	
<i>Swainson's Hawk</i>						
Measure BIO-40: Nesting surveys along Alignment 1B shall be conducted for Swainson's hawk by a qualified biologist in accordance with the Recommended Timing and Methodology for Swainson's Hawk in California's Central Valley (SHTAC 2000).	Prior to construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-44: The project will avoid and minimize potential impacts to suitable foraging habitat to the greatest extent practicable.	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	
<i>Tricolored Blackbird</i>						
Measure BIO-45: If construction begins during the nesting season (February 15 to September 1), a survey for nesting tricolored blackbirds shall be conducted within the project footprint and within a 100-foot radius by a qualified biologist. The survey shall be conducted a maximum of 14 days prior to the start of construction.	Prior to construction	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-46: If nesting tricolored blackbirds are found within 100 feet of the project footprint during the survey, an initial setback of 100 feet	Prior to construction	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	

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from the edge of the nest colony shall be established and protected with ESA fencing. ESA fencing shall consist of brightly colored fencing and shall be maintained in good condition during the nesting season until construction is complete or the young have fledged, as determined by a qualified biologist.						
<i>Colusa grass, Greene's tuctoria, and Hartweg's golden sunburst</i>						
Mitigation Measure BIO-49: The County, in coordination with Caltrans, proposes to provide compensatory mitigation for adverse effects to the Hartweg's golden sunburst resulting from construction impacts to upland habitat. The County, in coordination with Caltrans, will compensate for the permanent loss of 3.28 ac of habitat and for temporary disturbance to 0.57 ac of habitat. However, this combined 3.85 ac of affected habitat is suitable for/available to both the Hartweg's golden sunburst and the Central California tiger salamander. Therefore, to avoid duplicating its compensation efforts, the County, in coordination with Caltrans, does not propose separate, additive compensatory mitigation for the Hartweg's golden sunburst. Of the 1,100.85 ac worth of compensatory mitigation proposed for the Central California tiger salamander, 10.41 ac of this total also will apply to the Hartweg's golden sunburst. In other words, the County, in	Prior to construction	Caltrans / NCCTEA	Mitigation	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
coordination with Caltrans, either will 1) purchase 10.41 ac worth of upland credits that cover both species at a Service-approved conservation bank (as part of the total 1,100.85 ac worth of credits for the Central California tiger salamander, using a 3:1 compensation ratio for permanent effects and a 1:1 compensation ratio for temporary effects; $(3.28 \times 3) + (0.57 \times 1) = 10.41$ ac); or 2) fund a conservation easement that includes a minimum of 10.41 ac of upland habitat that also is suitable for the Hartweg's golden sunburst. Credits will be purchased and/or an easement will be recorded prior to the start of construction.						
Measure BIO-50: No more than one year prior to the start of construction, a Service-approved biologist(s) or botanist(s) will conduct a preconstruction botanical survey of the entire action area (once all lands are accessible to survey) during the appropriate blooming season(s) for each plant species, and in accordance with the most recent and accepted botanical survey protocols/guidance.	Prior to construction	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-51: If individuals are found during these survey efforts, or during construction and can be avoided, exclusion fencing, or some other type of barrier/marker signifying an ESA will be installed to protect them from encroachment by construction activities, equipment, and personnel. Caltrans will coordinate with the Service to	Prior to construction	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	

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determine if any further actions are necessary to avoid effects to the species. If individuals cannot be avoided, the County, in coordination with Caltrans, will implement on-site minimization efforts such as collecting, stockpiling, and re-applying topsoil.						
<i>California Tiger Salamander</i>						
Mitigation Measure BIO-52: The County, in coordination with Caltrans, proposes to provide compensatory mitigation for adverse effects to the Central California tiger salamander resulting from construction impacts to aquatic and upland habitats. The County, in coordination with Caltrans, will compensate for the permanent loss of a total of 14.07 acres (ac) of aquatic habitat and 237.43 ac of upland habitat; for temporary disturbance to a total of 2.92 ac of aquatic habitat and 58.98 ac of upland habitat; and for indirect effects to a total of 52.45 ac of aquatic habitat and 516.44 ac of upland habitat (using a 3:1 [ac:ac] compensation ratio for permanent effects; a 1:1 compensation ratio for temporary effects; and a 0.5:1 compensation ratio for indirect effects) ((251.50 ac x 3) + (61.90 ac x 1) + (568.89 x 0.5) = 1,100.85 ac of compensation). Prior to the start of work, the County, in coordination with Caltrans, will verify the areas of impacts and proposed compensation. If the amount of affected habitat increases, Caltrans	Prior to construction	Caltrans / NCCTEA	Mitigation	<input type="checkbox"/>	_____	

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<p>may need to consider reinitiating formal consultation.</p> <p>The County, in coordination with Caltrans, proposes either to: 1) purchase a total of 1,100.85 ac worth of Central California tiger salamander credits at a Service-approved conservation bank whose service area covers the project area (credits will be purchased prior to the start of groundbreaking); or 2) fund a conservation easement(s) on a total of 1,100.85 ac of land that is suitable for the species (the easement will be recorded prior to the start of construction). Should a Service-approved conservation easement(s) be established, it will be held by a Service-approved third-party entity, and managed according to a Service-approved long-term management plan (LTMP). A Service-approved endowment will be established to fund the long-term management, maintenance, and monitoring activities on the site. The final LTMP, along with an endowment analysis, will be submitted to the Service for approval prior to recordation of the conservation easement. The Service will review and approve any proposed preservation lands.</p>						
<p>Measure BIO-54: To reduce the mortality to Central California tiger salamander eggs, larvae, and breeding adults, as well as to adult vernal pool fairy shrimp and vernal pool tadpole shrimp, all</p>	<p>Prior to construction</p>	<p>Caltrans / NCCTEA</p>	<p>Minimization</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

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aquatic habitats that are scheduled to be permanently filled, first will be delineated and mapped, and then filled during the dry season only (i.e., when these specific life stages are absent from aquatic habitats).						
Measure BIO-55: Once the new ROW is acquired and the entire project extent can be accessed, a Service-approved biologist(s) will conduct protocol-level surveys covering all suitable aquatic habitat within the action area for the Central California tiger salamander in the closest appropriate season prior to the start of construction. Results will inform/confirm habitat suitability and areas of impacts and proposed compensation in advance of the start of project construction.	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	
Measure BIO-56: At least four weeks prior to the start of ground disturbance and/or construction, Caltrans will submit to the Service the names and qualifications of suitable individuals (e.g., resumes) for the Service's approval to work as biologists and monitors on the project.	Prior to construction	Caltrans / NCCTEA	Minimization	<input type="checkbox"/>	_____	
<i>Vernal Pool Invertebrates</i>						
Mitigation Measure BIO-69: The County, in coordination with Caltrans, proposes to provide compensatory mitigation for adverse effects to the vernal pool fairy shrimp and vernal pool tadpole shrimp resulting from construction impacts to aquatic habitat. The County, in coordination with	Prior to construction	Caltrans / NCCTEA	Mitigation	<input type="checkbox"/>	_____	

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<p>Caltrans, will compensate for the permanent loss of 0.06 ac of aquatic habitat, for temporary disturbance to 0.01 ac of aquatic habitat, and for indirect effects to 2.15 ac of aquatic habitat. However, this combined 2.22 ac of affected habitat is made up of features that also are suitable for/available to the Central California tiger salamander, Colusa grass, and Greene's tuctoria. Therefore, to avoid duplicating its compensation efforts, the County, in coordination with Caltrans, does not propose separate, additive compensatory mitigation for the vernal pool fairy shrimp, vernal pool tadpole shrimp, Colusa grass, and Greene's tuctoria. Of the 1,100.85 ac worth of compensatory mitigation proposed for the Central California tiger salamander (refer to conservation measure #10 under the Central California tiger salamander heading above), 4.51 ac of this total also will apply to the two vernal pool branchiopods and the two vernal pool plants. In other words, the County, in coordination with Caltrans, either will 1) purchase 4.51 ac worth of aquatic credits that cover all five species at a Service-approved conservation bank whose service area covers the project area (as part of the total 1,100.85 ac worth of credits for the Central California tiger salamander, using a 3:1 compensation ratio for permanent and temporary effects and a 2:1 compensation ratio for indirect effects; $(0.06 \times 3) + (0.01 \times 3) + (2.15 \times 2) = 4.51$</p>						

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<p>ac) fund a conservation easement that includes a minimum of 4.51 ac of aquatic habitat that also is suitable for the vernal pool fairy shrimp, vernal pool tadpole shrimp, Colusa grass, and Greene's tuctoria. Credits will be purchased and/or an easement will be recorded prior to the start of construction.</p> <p>The preservation component is generally required at a ratio of 3 acres of pools preserved for every acre directly and indirectly impacted (i.e., 3:1 ratio) and 2 acres of pools preserved for every acre indirectly impacted (i.e., 2:1 ration). Table 3.3.5-6 shows the compensation requirements for vernal pool invertebrates for Alternative 1B.</p> <p>Table 3.3.5-6: Summary of Compensation Requirements for aquatic habitat for the vernal pool fairy shrimp, vernal pool tadpole shrimp, Colusa grass, and Greene's tuctoria</p> <table border="1"> <thead> <tr> <th>Impact Type</th> <th>Impact</th> <th>Compensation Ratio</th> <th>Compensation Amount (in acres)</th> </tr> </thead> <tbody> <tr> <td>Alternative 1B</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Direct Permanent</td> <td>0.06</td> <td>3:1</td> <td>0.18</td> </tr> <tr> <td>Direct Temporary</td> <td>0.01</td> <td>3:1</td> <td>0.03</td> </tr> <tr> <td>Indirect</td> <td>2.15</td> <td>2:1</td> <td>4.30</td> </tr> </tbody> </table>	Impact Type	Impact	Compensation Ratio	Compensation Amount (in acres)	Alternative 1B				Direct Permanent	0.06	3:1	0.18	Direct Temporary	0.01	3:1	0.03	Indirect	2.15	2:1	4.30						
Impact Type	Impact	Compensation Ratio	Compensation Amount (in acres)																							
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<table border="1"> <tr> <td>Total</td> <td></td> <td>4.51</td> </tr> </table>	Total		4.51						
Total		4.51							
Sufficient creation and preservation credits shall be purchased at a conservation bank(s) approved by USFWS to sell vernal pool habitat credits or through a USFWS approved project specific mitigation site.									
<i>Valley Elderberry Longhorn Beetle</i>									
<p>Measure BIO-70: Prior to ground disturbance and/or the start of construction, a Service-approved biologist(s) will conduct a survey for elderberry shrubs covering the entire project footprint as well as the area 165 ft. out from the edge of the footprint. Data collected during the survey will include whether exit holes are present on the stems, the types of habitat in which the shrubs are located, the types of native plant species that are associated with the shrubs, and the distance to the nearest riparian area.</p> <p>If shrubs are detected within the project footprint, either during surveys or during construction, and they cannot be avoided (i.e., they will be trimmed during the shrub's growth season, or will need to be removed or transplanted), Caltrans will reinitiate formal consultation with the Service to address</p>	Prior to construction	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____				

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adverse effects to the valley elderberry longhorn beetle.						
Utilities/Emergency Services						
Measure UTL/ES-1: To minimize interruptions of service to utility customers, a series of coordination letters shall be sent to all impacted utility companies to identify utilities within the proposed project. Letters will indicate where utility relocations are to be performed and the required time to relocate them. Design plans will be sent to involved utility owners during the project development phase. Meetings will be arranged with utility companies as necessary to discuss impacts and relocation plans.	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Traffic and Transportation/Pedestrian and Bicycle Facilities						
Measure TR-1: To offset temporary disruptions during construction, Caltrans shall consult with local agencies, including fire and law enforcement, and shall prepare and implement a Traffic Management Plan to minimize traffic disruption during construction activities. The plan would be made available to the public and to each jurisdiction within the study area. Caltrans would conduct public outreach to discuss the Traffic Management Plan. The following elements shall be included in the plan: parking, detours/road closures, pedestrian/commercial/residential access, and media campaign.	Prior to construction (prepare) / During construction (implement)	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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<p><u>Parking:</u> To minimize and reduce parking impact, project team members will conduct meetings with owners of affected businesses during the final project design phase and assess the parking needs. Parking spaces including on-street parking, public parking lots, or private parking areas, would be accommodated where feasible. The project would also build additional public parking spaces. Parking and transit studies will be conducted during the final phase of project design, and necessary parking facilities will be accommodated at feasible locations that are accessible by both motorists and public transit users.</p> <p><u>Detour/Road Closures:</u> A media campaign will be organized to release detour routes and traffic information. Detour signage will be installed near construction zone to effectively redirect traffic. Potential adverse impacts to circulation and access will be avoided by maintaining as many open lanes as possible open along Claribel Road in both directions during construction.</p> <p><u>Pedestrian/Commercial/Residential Access:</u> Pedestrian routes along community road interchanges, overcrossings, and undercrossings will be reestablished and will be clearly defined outside of construction zones. Potential economic</p>						

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<p>impacts related to decreased patronage of businesses will be minimized by locating directional signage to key commercial centers and providing for accessible ingress/egress routes into parking lots. Ingress/egress routes to neighborhoods adjacent to or affected by construction activity shall be established and potential detours should be clearly posted.</p> <p><u>Media Campaign:</u> A Media Campaign will be organized to release information regarding road closure, detour routes, construction location, construction schedule, and other information related to transportation.</p>						
<p>Measure TR-2: To minimize potential impact to public transportation routes, the Traffic Management Plan will include specific locations for relocated bus stops or bus detours. Bus stops should be clearly identified and accessible to pedestrians through safe walkways and connections to business and residential centers.</p>	<p>Prior to construction (prepare) / During construction (implement)</p>	<p>Caltrans / Resident Engineer</p>	<p>Minimization</p>	<input type="checkbox"/>	<p>_____</p>	

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Visual Resources						
Measure VR-1: Where feasible, Build Alternatives will utilize the existing highway right of way corridor	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure VR-2: Vegetation clearing will only occur within the delineated project boundaries in an effort to minimize the impacts. Trees located in areas along the edge of the construction zone will be trimmed whenever possible and only those trees that lie within the active construction areas will be removed. Replacement of trees removed within the active construction area will be replaced at a rate and size determined by the District Landscape Architect.	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure VR-3: Construction lighting types, plans, and placement shall comply with Caltrans and local standards in order to minimize light and glare impacts on surrounding sensitive uses.	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Cultural Resources						
Measure CR-1: The project shall comply with the Programmatic Agreement and Archaeological Resources Management Plan which will implement a phased approach to complete identification,	Prior to construction / During	NCCTEA	Avoidance	<input type="checkbox"/>	_____	

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evaluation of potential historic properties, effect finding determinations, and mitigation requirements (if applicable), after right-of-entry to the remaining parcels which have not yet been surveyed has been obtained..	construction (implement)					
Water Quality and Stormwater Runoff						
Mitigation Measure WQ-1: The proposed project would require a Section 1602 Streambed Alteration Agreement through the California Department of Fish and Wildlife.	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Mitigation	<input type="checkbox"/>	_____	
Mitigation Measure WQ-2: The proposed project would require a Water Quality Certification (401) and a Discharge Permit for Waters of the U.S. (404).	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Mitigation	<input type="checkbox"/>	_____	
Mitigation Measure WQ-3: The proposed project would require a National Pollution Discharge Elimination System (NPDES) General Construction Permit for Discharges of storm water associated with construction activities (Construction General Permit 09-2009-DWQ). A Storm Water Pollution Prevention Plan would also be developed and implemented as part of the Construction General Permit.	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Mitigation	<input type="checkbox"/>	_____	

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Hazardous Waste or Materials						
<p>Mitigation Measure HW-2: Prior to completion of 50% design, a Preliminary Site Investigation (PSI) of all high and medium-risk sites identified in Table 3.2.4-1 having partial or total parcel impacts will be conducted. Depending on the project impact to each parcel, the PSI will consist of subsurface sampling and laboratory analysis and be of sufficient quantity to define the extent and concentration of potential contamination within the areal extent and depths of planned construction activities within and adjacent to the 64 medium-risk parcels and whether groundwater has been impacted by released contaminants. Sampling and testing, if necessary may include asbestos, heavy metals, petroleum hydrocarbons, chlorinated solvents, herbicides/pesticides, miscellaneous chemical waste, and groundwater. Stanislaus County will acquire any parcel having groundwater contamination requiring mitigation or where residual contamination will remain in place and grant a surface easement to Caltrans in order to construct the project. Stanislaus County will own the underlying fee on the parcel(s) and assume complete responsibility for any remaining contamination, absolving Caltrans of any responsibility for any remedial action. Areas of parcels where residual contamination may remain</p>	<p>Prior to construction (prepare) / During construction (implement)</p>	<p>Caltrans / Resident Engineer</p>	<p>Mitigation</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

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in place that could represent a risk during future maintenance activities will be avoided and not acquired. If a PSI cannot be conducted prior to 50% design the parcel will be avoided.						
<p>Mitigation Measure HW-3: Prior to completion of final design, a Preliminary Site Investigation (PSI) of all the Hawke Dusters parcel identified in Table 3.2.4-1 will be conducted if it is unable to avoid direct impacts to this parcel. The PSI will consist of subsurface sampling and laboratory analysis and be of sufficient quantity to define the extent and concentration of potential contamination within the areal extent and depths of planned construction activities within and adjacent to the 64 medium-risk parcels and whether groundwater has been impacted by released contaminants. Sampling and testing, if necessary may include asbestos, heavy metals, petroleum hydrocarbons, chlorinated solvents, herbicides/pesticides, miscellaneous chemical waste, and groundwater. Stanislaus County will acquire this parcel and grant a surface easement to Caltrans in order to construct the project. Stanislaus County will own the underlying fee on the parcel(s) and assume complete responsibility for any remaining contamination, absolving Caltrans of any responsibility for any remedial action. If a PSI is not conducted then this parcel will be avoided.</p>	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Mitigation	<input type="checkbox"/>	_____	

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Mitigation Measure HW-5: Creosote and Pentachlorophenol. The soil surrounding wooden utility poles and railroad ties may contain creosote and pentachlorophenol. Therefore, the soil surrounding either poles or ties that would be disturbed by the project will be sampled for creosote and pentachlorophenol prior to completion of final design. Soils with regulated concentrations of creosote and pentachlorophenol will be removed and disposed in conformance with federal and state regulatory requirements at properly permitted disposal facilities.	Prior to construction (prepare) / During construction (implement)	Caltrans / Resident Engineer	Mitigation	<input type="checkbox"/>	_____	
Biological Environment						
<i>Natural Communities</i>						
Measure BIO-1: Impacts to natural communities will be minimized to the greatest extent possible, through careful design, ensuring that only the minimum acreage needed to accommodate the project is acquired. The preferred Build Alternative shall include design features including, for example, retaining walls or non-standard slope gradients that would avoid and minimize impacts to interior live oak woodland, blue oak savannah, and riparian scrub, to the maximum extent practicable.	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-2: Any areas of interior live oak woodland, blue oak savannah, and riparian scrub adjacent to the project footprint shall be designated as an Environmentally Sensitive Area (ESA) and	Prior to construction (prepare) / During	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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protected during construction using brightly colored fencing. ESA fencing shall be placed along the limits of project work and maintained in good condition for the duration of construction activities.	construction (implement)					
Measure BIO-3: Staging areas, access routes, and construction areas shall be located outside of areas of interior live oak woodland, blue oak savannah, and riparian scrub.	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-4: Prior to the start of work, a Service-approved biologist(s) will provide worker environmental awareness training for all construction personnel, including contractors, subcontractors, and contractors' representatives, covering the status of all listed species; how to identify these species and their habitats; the importance of avoiding impacts to the species; the laws that protect them; and what to do if an individual is encountered during construction. New construction personnel who are added to the project after the training is first conducted also will be required to take the training. Documentation of the training, including sign-in sheets, will be kept on-file.	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
<i>Wetlands and Other Waters</i>						

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<p>Measure BIO-5: Construction best management practices (BMPs) that are consistent with the most recent Caltrans manuals (including the Construction Site BMP Manual and the Stormwater Pollution Prevention Plan and Water Pollution Control Program Manuals) will be developed for the project and will be implemented throughout the course of construction in order to avoid adverse effects to water quality. BMPs associated with an erosion control plan will be prepared for avoiding discharge of pollutants from vehicle/equipment cleaning into aquatic habitats. Caltrans personnel and the contractor will perform routine inspections of the construction area to verify that BMPs are being properly implemented and maintained, and are operating effectively as designed. A water quality inspector will inspect the site before and after a rain event to ensure that stormwater BMPs are adequate.</p> <p>a) An Emergency Spill Prevention Plan (ESPP) will be prepared to minimize the risk of fluids or other materials (oils, transmission and hydraulic fluids, cement, fuel) from entering water features and sensitive upland habitats. The ESPP will be kept on-site and will be easily accessible</p>	<p>Prior to construction (prepare) / During construction (implement)</p>	<p>Caltrans / NCCTEA/ Resident Engineer</p>	<p>Minimization</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

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<p>throughout the course of construction.</p> <p>b) Vehicle and equipment fueling and maintenance operations will occur at least 50 ft. away from watercourses, except at established commercial gas stations or vehicle maintenance facilities. All equipment will be maintained such that there will be no leaks of automotive fluids such as gasoline, oils, or solvents.</p> <p>c) Water trucks and dust palliatives will be used to control dust in excavation and fill areas, and for covering temporary stockpiles of dirt or other loose construction materials when weather conditions require.</p>						
<p>Mitigation Measure BIO-7: A qualified biologist will perform a final delineation of waters of the U.S. within the Alternative 1B project impact area after right-of-entry to the remaining parcels which have not yet been surveyed has been obtained. The final delineation will be submitted to the U.S. Army Corps of Engineers for verification and a request for an Approved Jurisdictional Determination.</p> <p>Impact to waters of the U.S. shall be mitigated using one of the following methods, or by using a combination of the methods. An appropriate</p>	<p>Prior to construction (prepare) / During construction (implement)</p>	<p>Caltrans / NCCTEA/ Resident Engineer</p>	<p>Mitigation</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

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mitigation ratio shall be established to ensure no net loss of waters of the U.S. acreage or value. <ol style="list-style-type: none"> 1. Purchase of credits at an approved mitigation bank. 2. Payment of in-lieu fees pursuant to an approved in-lieu fees program. 3. Preservation, creation, and/or restoration in accordance with the USACE Mitigation Monitoring Program (MMP) Guidelines, dated December 30, 2004. The MMP shall address, at minimum, the following: <ol style="list-style-type: none"> a. Project Site Impact Assessment; b. Compensatory Mitigation Site Selection; c. Compensatory Mitigation Site Design; d. Compensatory Mitigation Site Construction; e. Long-Term Compensatory Mitigation Site Maintenance and Monitoring; and, f. Long-Term Site Management. 						
<i>Plant Species</i>						
Measure BIO-8: A qualified biologist or botanist shall conduct focused surveys for vernal pool plants including Dwarf Downingia and Legenere. The surveys shall be conducted in accordance with	Prior to construction (prepare) / During	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
the California Department of Fish and Wildlife Plant Survey Protocol (2009) or the current accepted guidance. The surveys will be conducted no more than 1 year prior to onset of construction at the appropriate time of year necessary to identify the target species.	construction (implement)					
<i>Northern Harrier, White-tailed Kite California Horned Lark, and Loggerhead shrike</i>						
Measure BIO-18: If nesting birds are found within 100 feet of the project footprint during the survey, an initial setback of 100 feet from nesting areas shall be established and protected with ESA fencing. ESA fencing shall consist of brightly colored fencing and shall be maintained in good condition during the nesting season until construction is complete or the young have fledged, as determined by a qualified biologist.	Prior to construction / During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-19: A qualified biologist shall evaluate the potential for the proposed work to disturb nesting activities considering the 100-foot setback. The evaluation criteria shall include, but are not limited to, the location/orientation of the nest in the nest tree, the distance of the nest to the work limits, the line of sight between the nest and the work limits, and the description of the proposed work.	Prior to construction / During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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<i>Western Burrowing Owl</i>						
Measure BIO-25: After right-of-entry to the entirety of the project area has been obtained, breeding and non-breeding season surveys shall be conducted for the western burrowing owl by a qualified biologist in all suitable habitat within the project study area in accordance with California Department of Fish and Wildlife requirements. Four surveys would be required during the breeding season (February 15–July 15) and four surveys during the non-breeding season (December 1–January 31).	Prior to construction / During construction	Caltrans / NCCTEA / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
<i>Pacific Pond Turtle</i>						
Measure BIO-27: Prior to the start of construction activities that would affect ponds, canals, or other perennial water features, a qualified biologist shall survey the subject water feature for the presence of Pacific pond turtles. If any Pacific pond turtles are observed in the work area, they shall be allowed to leave on their own. If any pond turtles still remain in the work area after 24 hours, they shall be relocated outside of the work area by a qualified biologist in coordination with the California Department of Fish and Wildlife.	Prior to construction / During construction	Caltrans / NCCTEA / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
<i>California Tiger Salamander</i>						
Measure BIO-53: To the extent practicable, the project shall include design features such as retaining walls and non-standard slope gradients to avoid and minimize impacts to depressional aquatic features and undeveloped uplands (within approximately 1 mi of aquatic habitat).	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-57: A Service-approved biologist(s) will conduct visual encounter preconstruction surveys of upland habitat for the Central California tiger salamander no more than 14 days prior to the start of groundbreaking or other general construction activities in any given part of the footprint. The surveys will pay particular attention to detecting burrows and other crevices and cover sites that could be used as refugia by the species. If any burrows are discovered, they will be flagged or otherwise marked, and avoided by at least 50 ft. If the burrows cannot be avoided, they will be inspected and excavated by the Service-approved biologist(s) in accordance with the procedures and methodologies established in a burrow excavation and relocation plan (Relocation Plan) approved by the California Department of Fish and Wildlife (CDFW) and by the Service. If an individual is found, a Service-approved biologist(s) will relocate it to a suitable burrow outside of the project footprint, ideally as close as possible to its original	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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capture location. Both the preconstruction surveys and any subsequent burrow excavations will occur prior to the installation of exclusion fencing around the boundary of the project footprint (see measure #3 below) so as to maximize the clearing of the footprint and to minimize the risk of individuals becoming trapped within the fenced area. Caltrans will provide the Service with a written report that documents the survey efforts. If construction stops for a period of two weeks or longer, a new preconstruction survey will be completed no more than 24 hours prior to restarting work.						
Measure BIO-58: Prior to the start of work, and immediately following preconstruction surveys and any burrow excavations, temporary silt fencing (or other types of fencing materials that will not entangle the species), will be installed around the limits of the project footprint to preclude construction equipment, vehicles, and personnel from encroaching on areas outside of these limits (i.e., ESAs such as aquatic features and undeveloped uplands), and to prevent the Central California tiger salamander in outside areas from entering the work zones. Installation of this exclusion fencing will focus on where work areas abut suitable upland and/or aquatic habitats. Fencing also will include one-way funnels placed at regular intervals (to be determined in coordination with the Service) to allow any	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA / Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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<p>individuals that become trapped inside the fenced area to leave, but not re-enter the project footprint. Fencing will measure at least 3 ft. tall and be buried at least 6 inches below the ground to prevent individuals from attempting to burrow or move under the structure. The exclusion fencing will be well maintained throughout the course of construction and will be removed following project completion.</p> <p>For any work occurring during the wet season (i.e., defined as approximately November 1 through May 31, which is when breeding adults are likely to be above-ground and actively migrating to and from aquatic habitat to breed, and when eggs and larvae are developing in aquatic habitat), the proposed exclusion fencing must be in place prior to the onset of rain (i.e., when aquatic habitat is still dry) in order to prevent individuals from moving into active construction zones where they could be disturbed, injured, or killed by construction activities, equipment, or crews, and to prevent any breeding adults from becoming trapped in aquatic habitat within the construction zone.</p> <p>In order to provide shelter for any individuals trapped along the exclusion fence, coverboards will be installed along the construction side of the</p>						

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fence line at regular intervals (to be determined by the Service-approved biologists).						
<i>Vernal Pool Invertebrates</i>						
Measure BIO-65: Suitable habitat for the vernal pool fairy shrimp and vernal pool tadpole shrimp that is situated adjacent to the project footprint will be designated as Environmentally Sensitive Areas and protected with exclusion fencing to prevent encroachment into these areas.	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	
<i>Valley Elderberry Longhorn Beetle</i>						
Measure BIO-71: The existing three elderberry shrubs that are located within the action area, plus any additional shrubs identified during the preconstruction survey, will be fenced and/or flagged in order to prevent construction equipment or personnel from encroaching on them. Fencing and/or flagging will remain in good condition until construction is complete.	Prior to construction (prepare) / During construction (implement)	Caltrans / NCCTEA	Avoidance	<input type="checkbox"/>	_____	
Traffic and Transportation/Pedestrian and Bicycle Facilities						
Visual Resources						
Cultural Resources						
Water Quality and Stormwater Runoff						
Hazardous Waste or Materials						
Measure HW-1: Any leaking transformers observed during the course of the project should	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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be considered a potential polychlorinated biphenyl (PCB) hazard. Should leaks from electrical transformers (that will either remain within the construction limits or will require removal and/or relocation) be encountered during construction, the transformer fluid should be sampled and analyzed by qualified personnel for detectable levels of PCBs. Should PCBs be detected, the transformer should be removed and disposed of in accordance with the appropriate regulatory agency. Any stained soil encountered below electrical transformers with detectable levels of PCBs should also be handled and disposed of in accordance with the appropriate regulatory agency.						
Measure HW-4: Treated Wood Waste. Utility poles and railroad ties may contain creosote and pentachlorophenol. During construction, Caltrans will ensure treated wood objects be handled as TWW and managed per the Alternative Management Standards for Treated Wood Waste, as required by Chapter 34 of the Title 22 California Code of Regulations Section 67386.1 through 67386.12. All TWW should be properly disposed at a landfill permitted to accept TWW.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Air Quality						
Measure AQ-1: Per SJVAPCD Rule 9510, an Indirect Source Review application will be	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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submitted prior to seeking final discretionary approval for the project.						
Noise						
Measure NOI-1: Standard Special Provision (SSP 14-8.02) will be edited specifically for this project during the PS&E phase and included to reduce noise impacts during construction.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure NOI-2: Based on the studies completed to date, Caltrans intends to incorporate noise abatement in the form of a barrier at SW-3, with a length of 410 feet and an average height of 12 feet and a barrier at SW-5, with a length of 175 feet and an average height of 10 feet. Calculations based on preliminary design data show that SW-3 will reduce noise levels by 5 to 7 dBA for 5 residences at a cost of \$196,800. Calculations based on preliminary design data show that SW-5 will reduce noise levels by 5 to 7 dBA for 1 residence at a cost of \$70,000. If during final design conditions have substantially changed, noise abatement may not be necessary. The final decision of the noise abatement will be made upon completion of the project design and public involvement processes.	Final Design, Construction	Caltrans	Abatement			
Energy						
Measure EN-1: Efforts to minimize energy consumption during construction include the following:	Prior to and During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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<ul style="list-style-type: none"> Public awareness campaigns to encourage carpooling and commuting during non-peak traffic hours. Recycling of materials, such as damaged metal beam/guardrail and used rebar salvaged as metal scrap. Use of recycled materials, such as asphalt and concrete roadway materials through creation of road-base materials after crushing and grinding. Use of energy-efficient construction vehicles. 						
Biological Environment						
<i>Wetlands and Other Waters</i>						
Measure BIO-6: In order to control erosion and restore habitat value, all areas within the action area that are disturbed during construction (e.g., graded, denuded) will be re-contoured if necessary and stabilized as soon as possible; following the completion of construction, areas will be revegetated via hydro-seeding with an appropriate, weed-free native plant seed mixture. The County, in coordination with Caltrans, proposes to use the following native seeds (though this list may be updated at a later time): California mugwort	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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<i>(Artemisia douglasiana), Coyote brush (Baccharis pilularis), California poppy (Eschscholzia californica), and bicolored lupine (Lupinus bicolor). Regreen (Elymus x Triticum), which is a sterile hybrid between non-native wheatgrass and common wheat (and therefore won't reseed), will be used in the mix as a temporary bank stabilizer.</i>						
<i>Northern Harrier, White-tailed Kite California Horned Lark, and Loggerhead shrike</i>						
Measure BIO-20: If the qualified biologist determines that the setback can be reduced, initial construction activities in the vicinity of the nest shall be monitored by a qualified biologist. If the biologist determines nesting is not affected by construction activities with the reduced setback, work can proceed. If it is determined that construction activities are adversely affecting the nesting birds with the reduced setback, all construction within 100 feet of a nest shall be halted until the biologist can establish an appropriate setback.	During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
<i>Western Burrowing Owl</i>						
Measure BIO-26: If surveys indicate occupied burrows occur within the project footprint, measures to avoid, minimize, and /or mitigate impacts to burrowing owl shall be implemented in accordance with California Department of Fish and Wildlife requirements.	During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance/Minimization	<input type="checkbox"/>	_____	

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<i>Pacific Pond Turtle</i>						
Measure BIO-28: Measures consistent with the current Caltrans' BMP Manual (including the Storm Water Pollution Prevention Plan and WPCP Manuals shall be implemented to minimize effects to aquatic habitats resulting from erosion and siltation during construction.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure BIO-29: Following completion of construction, all graded slopes, temporary impact and/or otherwise disturbed areas shall be restored to preconstruction contours (if necessary) and revegetated with the standard Caltrans native seed mix.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
<i>Western Spadefoot Toad</i>						
Measure BIO-31: Western spadefoot toad habitat adjacent to the project footprint shall be designated as an ESA and protected with ESA fencing. ESA fencing shall be maintained in good condition until construction is complete.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-32: A biological monitor approved by the CDFW shall be present during initial ground disturbing activities within western spadefoot toad upland habitat that is located within 0.5 mile of western spadefoot toad aquatic habitat.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-33: If western spadefoot toads are found during construction, the individual(s) shall be relocated to suitable habitat outside the project	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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footprint, in coordination with the California Department of Fish and Wildlife.						
Measure BIO-34: All work in western spadefoot toad aquatic habitat shall be conducted during the dry season (June 1 through October 31) when western spadefoot toads are estivating and unlikely to enter the work area.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-35: Between November 1 and May 31, no construction activities shall occur in western spadefoot toad upland habitat, within 0.5 mile of western spadefoot toad aquatic habitat and within 24 hours following a rain event. Prior to resuming construction, any active work areas within western spadefoot toad upland habitat and within 0.5 mile of western spadefoot toad aquatic habitat shall be visually surveyed by the approved biological monitor prior to the start of construction to avoid affecting western spadefoot toad that may be present in upland habitat.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-36: Provided sufficient rainfall occurs, larval surveys will be conducted in potential western spadefoot toad aquatic habitat, in 2015 and 2016, by qualified biologist approved by CDFW. If approved by CDFW, larval surveys may begin as early as January in low rainfall years in order to detect juvenile western spadefoot toad that may not persist if the water features dry out due to lack of rainfall.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Measure BIO-37: If western spadefoot toads are not detected in potential aquatic habitat after two seasons of larval surveys, Measure BIO-30, -31, -32, -34 and -35 would not apply.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-38: Between June 1 and October 31, if a substantial rain event (i.e., at least 0.25 inch) occurs during construction, any active work areas within western spadefoot toad habitat shall be visually surveyed by the approved biological monitor prior to the start of construction to avoid affecting western spadefoot toad that may have emerged from their burrows and relocated in the work area (e.g., under equipment).	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-39: Following completion of construction, all graded slopes, temporary impact and/or otherwise disturbed areas shall be restored to preconstruction contours (if necessary) and revegetated with the standard Caltrans native seed mix.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
<i>Swainson's Hawk</i>						
Measure BIO-41: If surveys indicate active Swainson's hawk nests are located within 0.5 mile of the project footprint, an initial setback of 600 feet from nesting areas shall be established and protected with ESA fencing. ESA fencing shall be maintained during the nesting season until construction is complete or the young have fledged, as determined by a qualified biologist.	During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Measure BIO-42: A qualified biologist shall evaluate the potential for the proposed work to disturb nesting activities considering the 600-foot setback. The evaluation criteria shall include, but are not limited to, the location/orientation of the nest in the nest tree, the distance of the nest to the work limits, the line of sight between the nest and the work limits, and the description of the proposed work. The attachment to the Recommended Timing and Methodology for Swainson’s Hawk in California’s Central Valley titled “Determining a Project’s Potential For Impacting Swainson’s Hawks” shall also be consulted. Following the initial evaluation, the qualified biologist shall coordinate with the California Department of Fish and Wildlife to discuss the results and the proposed setback.	During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-43: If the qualified biologist, through coordination with CDFW, determines that the setback can be reduced, initial construction activities in the vicinity of the nest shall be monitored by a qualified biologist. If the biologist determines nesting is not affected by construction activities with the reduced setback, work can proceed with the continued presence of a qualified biologist. If it is determined that construction activities are adversely affecting the nesting birds with the reduced setback, all construction within 600 feet of a nest shall be halted until the biologist	During construction	Caltrans / NCCTEA/ Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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can establish an appropriate setback. All work within 600 feet of a Swainson's hawk nest requires a biological monitor.						
<i>Tricolored Blackbird</i>						
Measure BIO-47: A qualified biologist shall evaluate the potential for the proposed work to disturb nesting activities considering the 100-foot setback. The evaluation criteria shall include, but are not limited to, the location/orientation of the nest colony, the distance of the nest colony to the work limits, the line of sight between the nest colony and the work limits, and the description of the proposed work.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-48: If the qualified biologist determines that the setback can be reduced, initial construction activities in the vicinity of the nest shall be monitored by a qualified biologist. If the biologist determines nesting is not affected by construction activities with the reduced setback, work can proceed. If it is determined that construction activities are adversely affecting the nesting birds with the reduced setback, all construction within 100 feet of a nest colony shall be halted until the biologist can establish an appropriate setback.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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<i>California Tiger Salamander</i>						
<p>Measure BIO-59: No construction activities will be conducted in upland or aquatic habitat areas where the Central California tiger salamander may occur if: 1) it is raining, 2) there is a greater than 70 percent chance of rain based on the National Oceanic and Atmospheric Administration's (NOAA) National Weather Service forecast on any given work day, or 3) a rain event greater than 0.25 inch has occurred within the past 48 hours.</p> <p>Following a rain event, the Service-approved biologist(s) will conduct visual encounter surveys for the species in all active work areas (including access roads and staging areas) prior to the resumption of construction activities and the use of access routes and staging areas.</p>	During construction	Caltrans / NCCTEA/ Resident Engineer	Minimization	<input type="checkbox"/>	_____	
<p>Measure BIO-60: A Service-approved biologist(s) also will be present on-site to monitor for the species during the installation, replacement, and removal of all exclusion fencing. Additionally, the biologist(s) will be present on-site at least once per week, over the entire course of construction, to inspect the fencing for damage, to report any required remedial actions, and to clear the fenced area. Furthermore, this individual(s) will be present on-site during initial ground-disturbing and vegetation removal activities (i.e., clearing,</p>	During construction	Caltrans / NCCTEA/ Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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<p>grubbing, grading, excavating, filling, etc.). Anytime the Service-approved biologist(s) is present on-site, s/he will check for any Central California tiger salamanders trapped within the fenced areas and sheltering under the coverboards prior to the start of each workday. When not present on-site, the Service-approved biologist(s) will be available on-call during all construction periods in the event that the species is detected.</p> <p>If a live Central California tiger salamander is encountered at any point during preconstruction or construction activities, work will stop in the vicinity of the individual and will not resume until the Service-approved biologist(s) either has monitored the individual and allowed it to move away unharmed, or has relocated it in accordance with the Relocation Plan. If a dead individual is found, the Service-approved biologist(s) will follow the instructions described in the Salvage and Disposition of Individuals section of this document. Caltrans will notify the Service of any such encounter (live or dead) as soon as possible and provide a summary of the date(s), location(s), description of the habitat in which it was found, and any other pertinent information.</p>						
<p>Measure BIO-61: Prior to being moved, vehicles and equipment will be checked for any Central California tiger salamanders or other sensitive</p>	<p>During construction</p>	<p>Resident Engineer</p>	<p>Minimization</p>	<p><input type="checkbox"/></p>	<p>_____</p>	

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wildlife sheltering underneath them. In the event that an animal is observed, the vehicles/equipment will not be moved until the individual has vacated the area of its own accord.						
Measure BIO-62: To avoid entangling the Central California tiger salamander, erosion control methods will not utilize plastic, monofilament, jute, or similarly tightly woven fiber netting or other such materials. Acceptable substitutes include coconut coir matting, tackified hydro-seeding compounds, or other similar materials.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure BIO-63: To prevent the inadvertent entrapment of the Central California tiger salamander or other animals during construction, all excavated, steep-walled holes or trenches measuring more than 6 inches deep either will be covered at the close of each working day using plywood or similar materials (without openings), or will be provided with one or more escape ramps constructed of earth fill or wooden planks in the event that the holes/trenches cannot be fully covered. All holes or trenches will be checked daily for trapped wildlife. Before such holes or trenches are filled, they will be thoroughly inspected for trapped wildlife.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure BIO-64: All construction pipes, culverts, or similar structures that are stored on the construction site for one or more overnight periods	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

Mitigation Summary/Environmental Commitments Record for EA 10-0S8000/ID 1000000263

Last updated February 22, 2019

North County Corridor New State Route 108 Project

EP:

DISTRICT 10 – STA – 108

CL:

PA&ED

RE:

Commitments						
Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
will be capped or sealed with tape (or similar materials), or stored at least 3 ft. above ground level. They will be inspected thoroughly for the Central California tiger salamander before being buried, capped, or otherwise used. If an individual is discovered during this inspection, the Service-approved biologist(s) will be notified immediately. The biologist(s) will decide whether to leave the individual to move away on its own, or to intervene and relocate it.						
<i>Vernal Pool Invertebrate</i>						
Measure BIO-66: A Service-approved biologist(s) will be present on-site during initial ground disturbing activities taking place within habitat for listed vernal pool crustaceans.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-67: Measures consistent with the current Caltrans' Best Management Practices Manual (including the Storm Water Pollution Prevention Plan and Water Pollution Control Plan Manuals) shall be implemented to minimize effects to aquatic habitats resulting from erosion and siltation during construction.	During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-68: Following completion of construction, all graded slopes, temporary impact and/or otherwise disturbed areas shall be restored to preconstruction contours (if necessary) and revegetated with the standard Caltrans native seed mix.	During construction	Caltrans / NCCTEA/ Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

Mitigation Summary/Environmental Commitments Record for EA 10-0S8000/ID 1000000263

Last updated February 22, 2019

North County Corridor New State Route 108 Project

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Commitments						
Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
<i>Valley Elderberry Longhorn Beetle</i>						
Measure BIO-72: Ground-disturbing activities such as trenching, paving, etc., that risk damaging or killing the elderberry shrubs, will not take place within at least 20 ft. of the drip-line of any given shrub.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-73: A Service-approved biologist(s) will be present on-site to monitor any ground-disturbing construction activities that take place during the adult beetle's flight season and within 165 ft. of the elderberry shrubs. Caltrans will coordinate with the Service on any additional guidance.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-74: As much as possible, construction activities occurring within 165 ft. of an elderberry shrub will be conducted outside of the flight season of the valley elderberry longhorn beetle (flight season is approximately March-July).	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure BIO-75: In order to avoid adverse effects to the valley elderberry longhorn beetle when trimming elderberry shrubs, any and all trimming will occur between November and February when the shrub is dormant; no stems that are greater than or equal to 1 inch in diameter will be removed.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure BIO-76: Herbicides will not be used within the drip-line of any given elderberry shrub. Insecticides will not be used within 100 ft. of a shrub.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Commitments						
Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
Measure BIO-77: Mechanical weed removal within the dripline of an elderberry shrub will be restricted to the season when adult beetles are not active (i.e., August - February).	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure BIO-78: Erosion control will be implemented and the affected area will be re-vegetated with appropriate native plants.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
<i>General/Multi-Species</i>						
Measure BIO-79: All project-related vehicles will observe a daytime speed limit of no more than 20 mi per hour (mph) and a nighttime speed limit of no more than 10 mph in all project areas, except on the highway.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-80: The use of temporary artificial lighting on-site will be limited, except when necessary for construction, or for driver and pedestrian safety. Any artificial lighting used during construction, particularly at night, will be confined to areas within the construction footprint and directed away from surrounding sensitive habitat. Caltrans will limit non-target casting of light by installing shielding behind and underneath the light source to confine the illumination further so as to minimize its effects on the species.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure BIO-81: All food-related trash items such as wrappers, cans, bottles, and food scraps will be disposed of in closed containers and removed	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	

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Commitments						
Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
daily from the project site in order to reduce the potential for attracting predator species.						
Measure BIO-82: To eliminate the potential for disturbance or injury to, or death of, any species resulting from the presence of pets and firearms, neither (with the exception of firearms carried by authorized law enforcement officials) will be allowed on the project site.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>		
<i>Invasive Species</i>						
Measure BIO-83: To avoid introducing non-native, invasive species into the action area, all earthmoving equipment will be cleaned thoroughly before arriving on the project site and all seeding equipment (i.e., hydroseed trucks) will be cleaned prior to beginning seeding work. Also, to avoid transferring any invasive species already present on-site to off-site areas, all equipment will be cleaned thoroughly before leaving the action area.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Climate Change under the California Environmental Quality Act						
Mitigation Measure CC-1: The project would incorporate the use of energy-efficient lighting, such as LED traffic signals. LED bulbs cost \$60 to \$70 each, but last five to six years, compared to the one-year average lifespan of the incandescent bulbs previously used. The LED bulbs themselves consume 10 percent of the electricity of traditional lights, which will also help reduce the project's CO ₂ emissions.	During construction	Resident Engineer	Mitigation	<input type="checkbox"/>	_____	

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Commitments						
Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
Measure CC-2: According to the Caltrans's Standard Specifications, the contractor must comply with all local Air Quality Management District rules, ordinances, and regulations for air quality restrictions.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure CC-3: The contractor will use diesel construction equipment meeting ARB's Tier 2 certified engines or cleaner off-road heavy-duty diesel engines, and comply with the State Off-Road Regulation.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure CC-4: The contractor will use on-road heavy-duty trucks that meet the ARB's 2007 or cleaner certification standard for on-road heavy duty diesel engines, and comply with the State On-Road Regulation.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure CC-5: All on and off-road diesel equipment shall not idle for more than 5 minutes. Signs shall be posted in the designated queuing areas and or job sites to remind drivers and operators of the 5-minute idling limit.	During construction	Resident Engineer	Avoidance	<input type="checkbox"/>	_____	
Measure CC-6: The contractor shall use electric equipment in place of diesel-powered equipment, where feasible.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure CC-7: The contractor will substitute gasoline-powered in place of diesel-powered equipment, where feasible.	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	
Measure CC-8: The contractor shall use alternatively fueled construction equipment onsite	During construction	Resident Engineer	Minimization	<input type="checkbox"/>	_____	

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Task and Brief Description	Timing	Responsible Party	Avoidance, Minimization, Mitigation	Task Completed	Initials	Remarks/Due Date
where feasible, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane or biodiesel.						

Appendix G Regional Transportation Plan/ Federal Transportation Improvement Plan

STANCOG 2018 Regional Transportation Plan													
Tier I Roadway Projects													
Project Details								Purpose / Need (P = Primary Purpose / X = Need)					
ID	Jurisdiction	Location	Project Limits	Description	Total Cost	Open to Traffic	Funding Source	System Preserv.	Capacity Enhance.	Safety	Oper.	Alt. Mode	Complete Streets
S64	Stanislaus County	Santa Fe Ave	Hatch to Tuolumne River	Widen to 3 lanes	\$2,809,900	2028	L		X				
S65	Stanislaus County	W. Main St	San Joaquin River to Carpenter Rd	Widen to 3 lanes	\$3,900,000	2024	L		X				
S66	Stanislaus County	W. Main St	Carpenter Rd to Crows Landing Rd	Widen to 3 lanes	\$3,443,700	2020	L		X				
S67	Stanislaus County	W. Main St	Crows Landing Rd to Mitchell Rd	Widen to 3 lanes	\$4,300,000	2020	L		X				
S68	Stanislaus County	W. Main St	Mitchell Rd to Washington Rd	Widen to 3 lanes	\$3,783,900	2022	L		X				
S69	Stanislaus County	SR-219	SR-99 to McHenry Ave	Widen to 6-lanes	\$41,527,100	2024	STIP		X				
S70	Stanislaus County	Cooperstown Rd	Cooperstown Road at Gallup Creek	Bridge Replacement - Off System Bridge Toll Credits	\$2,600,000	2019	HBP	X		X			
S71	Stanislaus County	Cooperstown Rd	Cooperstown Road at Rydberg Creek	Bridge Replacement - Off System Bridge Toll Credits	\$2,300,000	2021	HBP	X		X			
S72	Stanislaus County	Crabtree Rd	Crabtree Road at Dry Creek	Bridge Replacement - Off System Bridge Toll Credits	\$5,322,000	2020	HBP	X		X			
S73	Stanislaus County	Gilbert Rd	Gilbert Road at Ceres Main Canal	Bridge Replacement - Off System Bridge Toll Credits	\$2,423,000	2019	HBP	X		X			
S74	Stanislaus County	Pleasant Valley Rd	Pleasant Valley Road at South San Joaquin Main Canal	Bridge Replacement - Off System Bridge Toll Credits	\$2,900,000	2019	HBP	X		X			
S75	Stanislaus County	Shiells Rd	Shiells Road over CCID Main Canal	Bridge Replacement - Off System Bridge Toll Credits	\$2,041,000	2019	HBP	X		X			
S76	Stanislaus County	St. Francis	St. Francis Ave at MID Main Canal	Bridge Replacement - Off System Bridge Toll Credits	\$1,885,000	2019	HBP	X		X			
S77	Stanislaus County	Tegner Rd	Tegner Road at Turlock Irrigation District Lateral #5	Bridge Replacement - Off System Bridge Toll Credits	\$2,586,100	2019	HBP	X		X			
S78	Stanislaus County	Tim Bell Road	Tim Bell Road at Dry Creek	Bridge Replacement - Off System Bridge Toll Credits	\$15,482,400	2018	HBP	X		X			
S79	Stanislaus County	Las Palmas	Las Palmas Ave over San Joaquin River	Bridge Rehabilitation	\$24,221,700	2022	HBP	X		X			
S80	Stanislaus County	Milton Road	Milton Road over Rock Creek Tributary	Bridge Replacement - Off System Bridge Toll Credits	\$4,530,000	2020	HBP	X		X			
S81	Stanislaus County	Sonora Road	Sonora Road over Martells Creek	Replacement	\$3,200,000	2022	HBP	X		X			
S82	Stanislaus County	Albers Rd	Claribel Road to Warnerville Road	Widen to 5 lanes	\$6,000,000	2022	PF/STBGP		X				
S83	Stanislaus County	South County Corridor	Turlock City Limits to Interstate 5	Construct 2-6 Lane Expressway on new alignment	\$278,000,000	2025	PF		X		X		
S84	Stanislaus County	Oakdale-Waterford Hwy	Over Claribel Bridge Lateral	Replace Bridge	\$1,928,700	2022	HBP	X	X	X			
S85	Stanislaus County	Valley Home Rd.	Over Lone Tree Creek	Bridge Rehabilitation	\$2,314,300	2022	HBP	X		X			
S86	Stanislaus County	Pioneer Ave.	Over Lone Tree Creek	Replace Bridge	\$1,725,250	2022	HBP	X	X	X			
S87	Stanislaus County	Milton Rd.	Over Rock Creek Tributary	Replace Bridge	\$1,989,000	2022	HBP	X	X	X			
S88	Stanislaus County	Milton Rd.	Over Hood Creek	Replace Bridge	\$3,714,900	2022	HBP	X	X	X			
S89	Stanislaus County	Lake Road	Over T.I.D. Main Canal	Replace Bridge	\$4,295,050	2022	HBP	X	X	X			
S90	Stanislaus County	Montpelier Road	Ower Main Canal @ Dallas Rd	Replace Bridge	\$2,669,050	2022	HBP	X	X	X			
S91	Stanislaus County	Claribel Rd	Claribel at Roselle	Signal improvements	\$4,242,774	2019	CMAQ, STBGP			X	X		
S101	Stanislaus County	132	SR 132 Extension Dakota to Gates	Construct 4-lane divided expressway or freeway (County)	\$117,000,000	2026	L, SB 1, STIP, CMAQ, STBG		X	X	X		
S102	Stanislaus County	North County Corridor	Tully Rd to SR 120/108	Construct a four-lane expressway	\$680,000,000	2026	L, SB 1, STIP, CMAQ, STBG		X	X	X		
S103	Stanislaus County	SR-99	Faith Home Road	Construction of Faith Home RiverCrossing / Gap Closure (Hatch Rd to Garner Viaduct)	\$71,700,000	2024	L, SB 1, STIP, CMAQ, STBG		X	X	X		
S104	Stanislaus County	McHenry	Ladd Rd to Hogue Rd	Widen to 5 Lanes	\$13,025,000	2020	L, SB 1, STIP, CMAQ, STBG		X		X		
S105	Stanislaus County	Keyes Road	Over TID Ceres Main Canal	Replace Bridge	\$1,500,000	2021	SB1	X		X			
S106	Stanislaus County	Quincy Road	Over TID Upper Lateral #3	Replace Bridge	\$1,500,000	2021	SB2	X		X			
S107	Stanislaus County	Eastin Road	Eastin Road & Orestimba Creek	Low water crossing - bridge or culvert construction	\$2,500,000	2021	HSIP, SB1			X			
S108	Stanislaus County	Crows Landing Road	Catfish Camp to 1,200' southwest	Raise Road profile	\$475,000	2021	SB1			X	X		
S109	Stanislaus County	Geer Road	Geer Road and Santa Fe Avenue	Intersection Improvements - curb, gutter, SD improvements @ NW corner	\$1,000,000	2020	SB1				X		

**2019 FTIP
SUMMARY OF CHANGES**

Agency: Various
Amendment Type: Formal Amendment - Type 2 and 3
Amendment #: 5

Project Identification				Funding										
Existing or New Project	CTIPS ID#	Sponsor Agency	Project Title	Prior Total Project Cost	Current Total Project Cost	Prior FFY	Prior CTIPS Amount	Current FFY	Current CTIPS Amount	Fund Source	Phase	Total Project Change	Total Project % Increase/Decrease	COMMENTS
Existing	2140000672	Various Agencies	Bicycle and Pedestrian ATP Projects (Grouped Projects for bicycle and pedestrian facilities funded with Active Transportation Program (ATP) funding. Scope: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - bicycle and pedestrian facilities (both motorized and non-motorized). (Using Toll Credits))	\$14,774,000	\$24,742,000	18/19	\$0	18/19	\$367,000	Local Measure	CON	\$9,968,000	67.47%	Added new projects to the ATP Grouped Project Listing - Cycle 4 Statewide and MPO Awards
						19/20	\$951,000	19/20	\$1,114,000	ATP				
						19/20	\$0	19/20	\$268,000	Local Measure				
						20/21	\$4,321,000	20/21	\$9,886,000	ATP				
						20/21	\$0	20/21	\$795,000	Local Measure				
						21/22	\$0	21/22	\$170,000	Local Measure				
						22/23	\$0	22/23	\$2,402,000	ATP				
Existing	2140000694	Stanislaus County	North County Corridor (North County Corridor; from Tully Road to State Route - 120/108. Construct 2-6 Lanes Expressway.)	\$20,000,000	\$37,000,000	18/19	\$0	18/19	\$2,500,000	Local Funds	PE	\$17,000,000	85.00%	Updated Local Funds and programmed BUILD Grant Award
						19/20	\$0	19/20	\$2,500,000	Local Funds	PE			
						19/20	\$0	19/20	\$2,000,000	Local Funds	ROW			
						19/20	\$0	19/20	\$20,000,000	BUILD Grant	ROW			
						20/21	\$0	20/21	\$2,500,000	Local Funds	PE			
						20/21	\$0	20/21	\$2,000,000	Local Funds	ROW			
						21/22	\$0	21/22	\$2,500,000	Local Funds	PE			
						21/22	\$0	21/22	\$2,000,000	Local Funds	ROW			
						22/23	\$0	22/23	\$1,000,000	Local Funds	ROW			
Existing	2140000705	City of Riverbank	Alternative Fuel Vehicles (Alternative Fuel Vehicles. Replace gasoline fueled vehicles with Compressed Natural Gas (CNG) alternative fuel vehicles. (Using Toll Credits))	\$190,610	\$0	18/19	\$190,610	18/19	\$0	CMAQ	CON	-\$190,610	-100.00%	CNG Vehicles not eligible under CMAQ

**Stanislaus Council of Governments - Federal Transportation Improvement Program
(Dollars in Whole)
Local Highway System**

DIST: 10	PPNO:	EA:	CTIPS ID: 214-0000-0694	TITLE (DESCRIPTION): North County Corridor (North County Corridor: from Tully Road to State Route-120/108. Construct 2-6 Lanes Expressway.)	MPO Aprv:
CT PROJECT ID:			MPO ID.: NCC01		State Aprv:
COUNTY: Stanislaus County	ROUTE:		PM:		Federal Aprv:
					EPA TABLE II or III EXEMPT CATEGORY

IMPLEMENTING AGENCY: Stanislaus County
PROJECT MANAGER: CHARLES VASQUEZ

PHONE: (209) 525-4144

EMAIL: vasquezc@stancounty.org

PROJECT VERSION HISTORY (Printed Version is Shaded)

(Dollars in whole)

Version	Status	Date	Updated By	Change Reason	Amend No.	Prog Con	Prog RW	PE
4	Active	05/15/2019	DTRUJILL	Amendment - Cost/Scope/Sch. Change	5		27,000,000	10,000,000
3	Official	08/15/2018	DTRUJILL	Adoption - Carry Over	0			20,000,000
2	Official	09/21/2016	MTUCKER	Adoption - Carry Over	0			20,000,000
1	Official	06/15/2016	JFABELA	Amendment - New Project	10			20,000,000

* Local Funds -		PRIOR	18-19	19-20	20-21	21-22	22-23	23-24	BEYOND	TOTAL
* Fund Source 1 of 2	PE		2,500,000	2,500,000	2,500,000	2,500,000				10,000,000
* Fund Type: County Funds	RW			2,000,000	2,000,000	2,000,000	1,000,000			7,000,000
	CON									
* Funding Agency: Stanislaus County	Total:		2,500,000	4,500,000	4,500,000	4,500,000	1,000,000			17,000,000

* Federal Disc. -		PRIOR	18-19	19-20	20-21	21-22	22-23	23-24	BEYOND	TOTAL
* Fund Source 2 of 2	PE									
* Fund Type: BUILD?TIGER Discretionary Grants	RW			20,000,000						20,000,000
	CON									
* Funding Agency: Stanislaus County	Total:			20,000,000						20,000,000

Project Total:		PRIOR	18-19	19-20	20-21	21-22	22-23	23-24	BEYOND	TOTAL
	PE		2,500,000	2,500,000	2,500,000	2,500,000				10,000,000
	RW			22,000,000	2,000,000	2,000,000	1,000,000			27,000,000
	CON									
	Total:		2,500,000	24,500,000	4,500,000	4,500,000	1,000,000			37,000,000

Comments:

***** Version 4 - 05/15/2019 *****
 BUILD Grant Award for \$20m programmed
 ***** Version 1 - 05/14/18 *****
 Project data transferred from 2016 FTIP.
 ***** Version 1 - 06/10/16 *****
 Project data transferred from 2014 FTIP.
 RTP #SC03
 ***** Version 1 - 03/08/2016 *****