



County of Santa Cruz

PLANNING DEPARTMENT

701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
(831) 454-2580 FAX: (831) 454-2131 TDD: (831) 454-2123
KATHLEEN MOLLOY PREVISICH, PLANNING DIRECTOR

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ENVIRONMENTAL COORDINATOR

NOTICE OF INTENT TO ADOPT A NEGATIVE DECLARATION NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD

Pursuant to the California Environmental Quality Act, the following project has been reviewed by the County Environmental Coordinator to determine if it has a potential to create significant impacts to the environment and, if so, how such impacts could be solved. A Negative Declaration is prepared in cases where the project is determined not to have any significant environmental impacts. Either a Mitigated Negative Declaration or Environmental Impact Report (EIR) is prepared for projects that may result in a significant impact to the environment.

Public review periods are provided for these Environmental Determinations according to the requirements of the County Environmental Review Guidelines. The environmental document is available for review at the County Planning Department located at 701 Ocean Street, in Santa Cruz. You may also view the environmental document on the web at www.sccoplanning.com under the Planning Department menu. If you have questions or comments about this Notice of Intent, please contact Matt Johnston of the Environmental Review staff at (831) 454-3201

The County of Santa Cruz does not discriminate on the basis of disability, and no person shall, by reason of a disability, be denied the benefits of its services, programs or activities. If you require special assistance in order to review this information, please contact Bernice Romero at (831) 454-3137 (TDD number (831) 454-2123 or (831) 763-8123) to make arrangements.

APPL. # 121258 **PAULSEN ROAD CULVERT REPLACEMENT**
APN: N/A (Post Mile Markers (PM) 0.32, 0.92 & 0.94)

This is a proposal to replace three corrugated metal culverts with high density corrugated plastic culverts, and the roadway surfaces above each culvert to be repaired and resurfaced. The removal of some invasive non-native vegetation (arrundo) will be cleared and removed from (PM) 0.32 as part of the culvert replacement. Requires a Riparian Exception.

ZONE DISTRICT: CA (COMMERCIAL AGRICULTURE)
APPLICANT: COUNTY OF SANTA CRUZ, PUBLIC WORKS DEPARTMENT
OWNER: COUNTY OF SANTA CRUZ
SUPERVISORIAL DISTRICT: FOURTH
STAFF PLANNER: BOB LOVELAND, (831) 454-3163
EMAIL: PLN319@co.santa-cruz.ca.us
ACTION: Negative Declaration with mitigations
REVIEW PERIOD: April 16, 2013 to May 15, 2013

The project will be considered administratively by the Planner on May 16, 2013.

NAME: Paulson Road Culverts
APPLICATION: 121258
A.P.N: County Right of Way

NEGATIVE DECLARATION MITIGATIONS

- A. In order to ensure that the mitigation measures and conditions set forth in the proposed project description are communicated to the various parties responsible for constructing the project, prior to any disturbance on the property the applicant shall convene a pre-construction meeting on the site. The following parties shall attend: The project engineer, project contractor supervisor, Santa Cruz County Environmental Planning staff, and project biologists. Results of pre-construction biotic surveys will be collected at that time and all protection measures shall be inspected.
- B. In order to reduce potential impacts to steelhead trout to less than significant, the following mitigations shall be implemented:
1. The temporary dewatered process will take place under the observation of the project biologist. The pump intakes will be outfitted with wire mesh not larger than 0.2 inch to prevent species from entering the pump system. Water will be released or pumped downstream at an appropriate rate to maintain downstream flows during construction. Upon completion of construction activities, any barriers to flow will be removed in a manner that would allow flow to resume with the least disturbance to the substrate.
- C. In order to reduce potential impacts to western pond turtle (WPT) and foothill yellow-legged frog (FHLYF) to less than significant, the following mitigations shall be implemented:
1. Within two weeks prior to the start of construction, a worker education program shall be presented to all construction personnel at the project site by a qualified biologist. Associated written material shall be distributed. It shall be the onsite foreman's responsibility to ensure that all construction personnel and subcontractors receive a copy of the education program. The education program shall include a description of the FHLYF and WPT and their habitat, the general provisions of the California Environmental Quality Act (CEQA), the necessity of adhering to the Act to avoid penalty, and measures implemented to avoid affecting both species specific to the project and work boundaries of the project.
 2. Within one week of construction, a qualified biologist shall conduct an in-stream survey for WPT and FHLY within the work area and up and down stream 0.25 miles. If none are detected, no additional mitigations are required. If either or both species are detected during the preconstruction survey or any time during the project, CDFG shall be contacted for guidance. Additional protection measures may include biological monitoring and installation of wildlife exclusion fencing.
- D. Suitable nesting habitat for special-status and non-listed, native bird species is present on the study area. Direct removal of vegetation, noise and other disturbance during construction, could adversely impact nesting birds, if present, which could result in nest abandonment. In order to reduce potential impacts to special-status and non-listed, native bird species to less than significant, the following mitigations shall be implemented:
1. If work in any project site area must commence during the breeding season (February 1 to August 31), a qualified biologist shall conduct a pre-construction breeding bird survey throughout areas of suitable habitat within 300 feet of the work area within 15 days prior to the onset of any construction activity. If bird nests are observed within a project work area or surrounding buffer, an appropriate buffer zone shall be established around all active nests to protect nesting adults and their young from construction disturbance. The size and configuration of buffer zones shall be determined by a qualified biologist in consultation with

CDFG based on the site conditions and the species potentially impacted. Work within the buffer zone shall be postponed until all the young are fledged, as determined by a qualified biologist.

- E. In order to reduce potential impacts from the accidental release of hazardous materials into the riparian corridor, the following mitigation would be implemented: A spill prevention and response plan including all appropriate products will be available at the project site during the course of construction activities, and the staging area(s) will be a minimum of 50 feet from any stream.



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CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) ENVIRONMENTAL REVIEW INITIAL STUDY

Date: March 25, 2013

Application Number: 121258

Staff Planner: Bob Loveland

I. OVERVIEW AND ENVIRONMENTAL DETERMINATION

APPLICANT: Santa Cruz County Public Works Dept.

APN(s): Paulsen Road in the county right-of-way near Post Mile Markers (PM) 0.32, 0.92 & 0.94

OWNER: Santa Cruz County

SUPERVISORAL DISTRICT: Greg Caput Fourth District

PROJECT LOCATION: All three culverts are located outside the City of Watsonville on Paulsen Road at the PMs listed above. (Refer to Attachments 1 & 2)

SUMMARY PROJECT DESCRIPTION:

All three corrugated metal culverts are to be replaced with high density corrugated plastic culverts, and the roadway surfaces above each culvert will be repaired and resurfaced. The removal of some invasive non-native vegetation (arrundo) will be cleared and removed from (PM) 0.32 as part of the culvert replacement.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

All of the following potential environmental impacts are evaluated in this Initial Study. Categories that are marked have been analyzed in greater detail based on project specific information.

- | | |
|---|--|
| <input type="checkbox"/> Geology/Soils | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Hydrology/Water Supply/Water Quality | <input type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Greenhouse Gas Emissions |
| <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Visual Resources & Aesthetics | <input type="checkbox"/> Utilities & Service Systems |

- | | |
|--|---|
| <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Land Use and Planning |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Population and Housing |
| <input type="checkbox"/> Transportation/Traffic | <input type="checkbox"/> Mandatory Findings of Significance |

DISCRETIONARY APPROVAL(S) BEING CONSIDERED:

- | | |
|---|--|
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Coastal Development Permit |
| <input type="checkbox"/> Land Division | <input type="checkbox"/> Grading Permit |
| <input type="checkbox"/> Rezoning | <input checked="" type="checkbox"/> Riparian Exception |
| <input type="checkbox"/> Development Permit | <input type="checkbox"/> Other: |

NON-LOCAL APPROVALS

Other agencies that must issue permits or authorizations:

US Army Corps of Engineers (USCOE)

Regional Water Quality Control Board (RWQCB)

California Department of Fish and Wildlife (CDFW)

DETERMINATION: (To be completed by the lead agency)

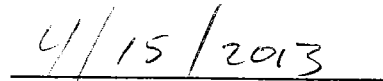
On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or

NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Matthew Johnston
Environmental Coordinator



Date

II. BACKGROUND INFORMATION

EXISTING SITE CONDITIONS

Parcel Size: NA

Existing Land Use: County Roadway

Vegetation: Riparian trees (willows) and wetland plants (Typha sp. and Carex sp.)

Slope in area affected by project: 0 - 30% 31 - 100%

Nearby Watercourse: unnamed tributary to Casserly Creek/College Lake

Distance To: All three projects will occur within the drainage channels

ENVIRONMENTAL RESOURCES AND CONSTRAINTS

Water Supply Watershed: No

Fault Zone: No

Groundwater Recharge: No

Scenic Corridor: No

Timber or Mineral: No

Historic: No

Agricultural Resource: Yes

Archaeology: Mapped

Biologically Sensitive Habitat: Yes

Noise Constraint: No

Fire Hazard: No

Electric Power Lines: Yes

Floodplain: Yes (PM 0.92 & 0.94)

Solar Access: Yes

Erosion: No

Solar Orientation: Multiple aspects

Landslide: No

Hazardous Materials: No

Liquefaction: Yes

Other:

SERVICES

Fire Protection: Pajaro

Drainage District: Zone 7

School District: PVUSD

Project Access: Paulsen Road

Sewage Disposal: NA Road repair

Water Supply: Pajaro Valley Water

PLANNING POLICIES

Zone District: Commercial Agriculture

Special Designation: NA

General Plan: Agriculture

Urban Services Line: Inside

Outside

Coastal Zone: Inside

Outside

ENVIRONMENTAL SETTING AND SURROUNDING LAND USES:

The project area around PM 0.32 contains an intermittent drainage channel and narrow established riparian corridor (willows, cottonwood, sycamore).

The project area around PM 0.92 & 0.94 contains a roadside low-flow channel with wetland type plants (Typha sp. and Carex sp.) located on the west side of Paulsen Road.

The surrounding land uses include: agriculture and residential development.

PROJECT BACKGROUND:

All three culverts proposed for replacement are made of corrugated metal and have begun to collapse do to corrosion. As the culverts continue to fail, the associated roadway surface is being compromised which present traffic safety concerns.

DETAILED PROJECT DESCRIPTION:

The proposed project would replace the failing corrugated metal culverts with high density corrugated plastic culverts. The lengths and diameters of the new culverts will match the existing culverts. During the culvert replacement process the following work will also be completed: new concrete headwalls on both the inlet and outlet sides of the culverts shall be constructed, slope reconstruction/vegetation management and erosion control practices will be completed and roadway resurfacing over the newly installed culverts.

Although these drainage ways are considered intermittent and the work is proposed to commence in the dry season, it may be necessary to construct a coffer dam stream diversion and use screened pumps to dewater the channel(s) during culvert and headwall replacements.

Standard construction equipment (dump trucks, excavator, backhoe, etc.) are proposed to complete this scope of work, and all machinery related work will be done from the existing roadway.

During construction activities Paulsen Road will be closed and traffic will be rerouted to Casserly Road or Highway 152 by way of proper county signage and community notification processes.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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II. ENVIRONMENTAL REVIEW CHECKLIST

A. GEOLOGY AND SOILS

Would the project:

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| 1. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| A. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| B. Strong seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| C. Seismic-related ground failure, including liquefaction? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D. Landslides? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion (A through D): The project site is located outside of the limits of the State Alquist-Priolo Special Studies Zone (County of Santa Cruz GIS Mapping, California Division of Mines and Geology, 2001).

All of Santa Cruz County is subject to some hazard from earthquakes and the project site is likely to be subject to strong seismic shaking during the life of the improvements. However, the project site is not located within or adjacent to a County or state mapped fault zone, therefore the potential for ground surface rupture is low.

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| 2. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Discussion: The Department of Public Works will use a standard design for the project that is used on all projects of this type in Santa Cruz County. The standard design takes these potential hazards into consideration.

3. Develop land with a slope exceeding 30%?

Discussion: The slopes adjacent to these drainage channels and culverts exceed 30%. These slopes will be reestablished after the culverts and headwalls are replaced. All bare soils will be treated with appropriate erosion control practices upon completion of the project.

4. Result in substantial soil erosion or the loss of topsoil?

Discussion: The potential for erosion exists during the construction phase of the project and shortly thereafter. Appropriate erosion and sediment control Best Management Practices (BMP's) will be installed and monitored during and after construction activities are completed.

5. Be located on expansive soil, as defined in Section 1802.3.2 of the California Building Code (2007), creating substantial risks to life or property?

Discussion: There is no indication that the development site is subject to substantial risk caused by expansive soils.

6. Place sewage disposal systems in areas dependent upon soils incapable of adequately supporting the use of septic tanks, leach fields, or alternative waste water disposal systems where sewers are not available?

Discussion: This project does not include the use of any on-site sewage disposal system.

7. Result in coastal cliff erosion?

Discussion: The proposed project is not located in the vicinity of a coastal cliff or bluff; and therefore, would not contribute to coastal cliff erosion.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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B. HYDROLOGY, WATER SUPPLY, AND WATER QUALITY

Would the project:

1. Place development within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

Discussion: The culvert located at PM 0.32 is located outside a mapped flood hazard area, and the design engineer has stated that the culvert is large enough to carry a 100-year storm event. The culverts at PM's 0.92 & 0.94 are located within a mapped flood hazard area (Attachment 3) and are not anticipated to carry a 100-year storm event (Refer to B 2 below).

2. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

Discussion: The culverts located at PM 0.92 & 0.94 are adequate to deal with less than a 100 year flow event, but would be inundated and overtopped during greater flow events.

3. Be inundated by a seiche, tsunami, or mudflow?

Discussion: The culvert locations are well outside the range of these natural hazards.

4. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Discussion: The project involves replacing culverts and will have no effect on groundwater.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
5. Substantially degrade a public or private water supply? (Including the contribution of urban contaminants, nutrient enrichments, or other agricultural chemicals or seawater intrusion).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: The project involves removing and replacing culverts and headwalls within an existing road prism. No degradation to a public or water supply is anticipated.

6. Degrade septic system functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: There is no indication that existing septic systems in the area would be affected by these projects.

7. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding, on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: The replacement culverts are the same size and length of the culverts proposed for removal and will occupy the same alignment.

8. Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems, or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: Refer to B7 above.

9. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: Refer to B7 above.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
10. Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: Refer to B7 above.

C. BIOLOGICAL RESOURCES

Would the project:

1. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game, or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Discussion: Two separate "Biotic Constraints Analysis" were prepared by Kittleson Environmental Consulting covering PM 0.32, dated January 3, 2013 and PM 0.92 & 0.94, dated October 3, 2012 (Attachments 4 & 5). These reports have been reviewed and accepted by the Planning Department (Environmental Section). The project biologist states that there are 12 status species identified by the California Natural Diversity Database (CNDDDB) as having potential to occur in the project area. Based on knowledge of the area and scope of the project, it was determined that the following three species could potentially be impacted and need to be addressed: Steelhead (*Oncorhynchus mykiss*), Red-legged frog (*Rana aurora draytonii*) and Western pond turtle (*Clemmys marmorata*). No listed plants were present within the project areas. In addition to the species listed above, nesting migratory birds or raptors may be impacted as a result of project operations. In order to reduce potential impacts to the protected species to less than significant, the following mitigations shall be implemented:

Potentially Significant Impact 1: Potential impacts to listed species (Steelhead trout, Western pond turtle, Red-legged frog).

Mitigation Measure 1: (For Steelhead trout, California red-legged frog and Western pond turtle)

Within one week of construction, a qualified biologist shall conduct an in-stream survey for identified listed species within the work area and up and down stream 0.25 miles. If none are detected, no additional mitigations are required. If any listed species are detected during the preconstruction survey or any time during the project, the project biologist and CDFW shall be contacted for guidance. Additional protection measures may include biological monitoring and installation of wildlife exclusion fencing.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Mitigation Measure 1a: (For Steelhead trout) The temporary dewatered process will take place under the observation of the project biologist. The pump intakes will be outfitted with wire mesh not larger than 0.2 inch to prevent species from entering the pump system. Water will be released or pumped downstream at an appropriate rate to maintain downstream flows during construction. Upon completion of construction activities, any barriers to flow will be removed in a manner that would allow flow to resume with the least disturbance to the substrate.

Potentially Significant Impact 2: Suitable nesting habitat for special-status and non-listed, native bird species has been identified within the study area. Direct removal of vegetation, noise and other disturbance during construction, could adversely impact nesting birds, if present, which could result in nest abandonment.

Mitigation Measure 2: (For Birds) If work in any project site area must commence during the breeding season (February 1 to August 31), a qualified biologist shall conduct a pre-construction breeding bird survey throughout areas of suitable habitat within 300 feet of the work area within 15 days prior to the onset of any construction activity. If bird nests are observed within a project work area or surrounding buffer, an appropriate buffer zone shall be established around all active nests to protect nesting adults and their young from construction disturbance. The size and configuration of buffer zones shall be determined by a qualified biologist in consultation with CDFW based on the site conditions and the species potentially impacted. Work within the buffer zone shall be postponed until all the young are fledged, as determined by a qualified biologist.

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| 2. Have a substantial adverse effect on any riparian habitat or sensitive natural community identified in local or regional plans, policies, regulations (e.g., wetland, native grassland, special forests, intertidal zone, etc.) or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion: The project areas are located within a riparian corridor and wetland area which are both considered sensitive habitat by definition within the Santa Cruz County Code (Sections 16.30 and 16.32 respectively). There will be temporary disturbance within the riparian corridor and wetland area during construction activities. No substantial adverse effect is anticipated during the replacement of these three failing road culverts.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
3. Interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native or migratory wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion: The project will be short in duration and the mitigations listed in section C.1. above will ensure no significant impacts to listed/protected species.

4. Produce nighttime lighting that would substantially illuminate wildlife habitats?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: The project will not produce any nighttime lighting.

5. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: The two culvert replacements located at PM 0.92 & 0.94 are located adjacent to wetlands, but no substantial adverse effect is anticipated since there is no change in culvert location, size or length.

6. Conflict with any local policies or ordinances protecting biological resources (such as the Sensitive Habitat Ordinance, Riparian and Wetland Protection Ordinance, and the Significant Tree Protection Ordinance)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: The project does not conflict with any local policies or ordinances.

7. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Discussion: The proposed project would not conflict with the provisions of any adopted Habitat Conservation Plan Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. Therefore, no impact would occur.

D. AGRICULTURE AND FOREST RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:

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|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: No Prime Farmland, Unique Farmland, Farmland of Statewide or Farmland of Local Importance would be converted to a non-agricultural use. No impact would occur from project implementation.

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| 2. Conflict with existing zoning for agricultural use, or a Williamson Act contract? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
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Discussion: The project site's land is not under a Williamson Act Contract. Therefore, the project does not conflict with existing zoning for agricultural use, or a Williamson Act Contract. No impact is anticipated.

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| 3. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
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Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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Discussion: The project is not adjacent to land designated as Timber Resource.

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| 4. | Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
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Discussion: No forest land occurs on the project site or in the immediate vicinity. No impact is anticipated.

- | | | | | | |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 5. | Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: No Prime Farmland, Unique Farmland, Farmland of Statewide, or Farmland of Local Importance would be converted to a non-agricultural use. In addition, no conversion of forest land to a non-forest use will occur as a result of the project.

E. MINERAL RESOURCES

Would the project:

- | | | | | | |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. | Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: The site does not contain any known mineral resources that would be of value to the region and the residents of the state. Therefore, no impact is anticipated from project implementation.

- | | | | | | |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 2. | Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: No potentially significant loss of availability of a known mineral resource of locally important mineral resource recovery (extraction) site delineated on a local general plan, specific plan or other land use plan would occur as a result of this project.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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F. VISUAL RESOURCES AND AESTHETICS

Would the project:

- | | | | | | |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. | Have an adverse effect on a scenic vista? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: The replacement of the three culverts will not have an adverse effect on a scenic vista.

- | | | | | | |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 2. | Substantially damage scenic resources, within a designated scenic corridor or public view shed area including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: Refer to F.1.above.

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|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 3. | Substantially degrade the existing visual character or quality of the site and its surroundings, including substantial change in topography or ground surface relief features, and/or development on a ridgeline? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: Refer to F.1.above

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|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 4. | Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: This project does not include a source of light and will not affect either day or nighttime views in the area.

G. CULTURAL RESOURCES

Would the project:

- | | | | | | |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. | Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: The existing culverts are not designated as a historic resource on any federal, state or local inventory.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| 2. | Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion: No archeological resources have been identified in the project area. Pursuant to County Code Section 16.40.040, if at any time in the preparation for or process of excavating or otherwise disturbing the ground, any human remains of any age, or any artifact or other evidence of a Native American cultural site which reasonably appears to exceed 100 years of age are discovered, the responsible persons shall immediately cease and desist from all further site excavation and comply with the notification procedures given in County Code Chapter 16.40.040.

- | | | | | | |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| 3. | Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion: Pursuant to Section 16.40.040 of the Santa Cruz County Code, if at any time during site preparation, excavation, or other ground disturbance associated with this project, human remains are discovered, the responsible persons shall immediately cease and desist from all further site excavation and notify the sheriff-coroner and the Planning Director. If the coroner determines that the remains are not of recent origin, a full archeological report shall be prepared and representatives of the local Native California Indian group shall be contacted. Disturbance shall not resume until the significance of the archeological resource is determined and appropriate mitigations to preserve the resource on the site are established.

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|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 4. | Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: There is no known unique paleontological resource at the site. No unique geologic features will be directly or indirectly destroyed.

H. HAZARDS AND HAZARDOUS MATERIALS

Would the project:

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|----|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. | Create a significant hazard to the public or the environment as a result of the routine transport, use or disposal of hazardous materials? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|----|--|--------------------------|-------------------------------------|--------------------------|--------------------------|

Discussion: The equipment used during construction activities would involve routine use of fuel and other petroleum products and hydraulic fluids typically used by construction equipment. The leakage of these fluids may occur during the course of construction activities. In order to reduce potential impacts from the accidental release of hazardous materials into the riparian corridor or wetland area, the following

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
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mitigations would be implemented: A spill prevention and response plan including all appropriate products will be available at the project site during the course of construction activities, and the staging area(s) will be a minimum of 50 feet from any stream.

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|----|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| 2. | Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|----|--|--------------------------|-------------------------------------|--------------------------|--------------------------|

Discussion: Refer to H.1. above.

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|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| 3. | Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|----|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion: The project would produce emissions from the use of standard construction equipment but the sites are not located within one-quarter mile of an existing or proposed school.

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|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 4. | Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: The project site is not included on the January 25, 2013 list of hazardous sites in Santa Cruz County compiled pursuant to the specified code.

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|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 5. | For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion: This project is not within two miles of an airport.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
6. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion: This project is not within the vicinity of a private airstrip.

7. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Discussion: There is not an adopted emergency response or evacuation plan specific to the project site, and the proposed project would have no impact on emergency evacuation within the vicinity.

8. Expose people to electro-magnetic fields associated with electrical transmission lines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: This project does not include the addition of any electrical transmission lines.

9. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion: The project is to remove and replace three failing culverts.

I. TRANSPORTATION/TRAFFIC

Would the project:

1. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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