TAHOE REGIONAL PLANNING AGENCY

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STAFF REPORT

Date: February 6, 2020

To: TRPA Hearings Officer

From: TRPA Staff

Subject: CalTrans Bank Stabilization Project, State Route 89 and Meadow Road, Placer County California; Assessor's Parcel No: 530-201-00; TRPA File No: ERSP2019-1455

Requested Action:
Hearings Officer action on the proposed project, and related findings based on this Staff Summary and the Draft Permit (Attachment B).

Staff Recommendation:
Staff recommends approval of the project based on this staff summary and the evidence contained in the project record. The recommended conditions of approval are contained in the attached Draft Permit. The work described in this staff summary was the result of an emergency approval granted by TRPA staff and has already been completed. TRPA granted emergency approval of the project based on the threat to water quality and public health and safety posed by the undermining of the area immediately lakeward of and supporting California State Route 89. TRPA reserves the right to review work done as a result of an emergency approval and mitigate against unforeseen impacts as needed as a part of the normal permit process. The project was completed in compliance with all of the conditions that are described in the post-completion permit.

Project Description:
A 160-foot section of shoreline abutting a section of State Route 89 eroded away in the fall of 2019, severely undermining the section of State Route 89 immediately upland of the shoreline, threatening both water quality and public health and safety. Embankment erosion occurred due the persistent high water levels over the past three years and wave action. Repairs occurred immediately and ahead of the winter months to prevent further damage to State Route 89. The work completed was done immediately once CalTrans noticed the slope failure was compromising the roadway. Work completed included stabilizing the existing rock embankment, installing rock slope protection fabric parallel to the shoreline starting at the toe of the slope and extending up to the road, and placing approximately 3000 cubic yards of rock and boulders on the slope. All work occurred in the CalTrans right-of-way. A turbidity curtain was put in place in the area where work occurred prior to the start of work.

Site Description:
The project area is located lakeward of a 160-foot section of State Route 89, approximately where Route 89 intersects Meadow Road, in Placer County. Work occurred in the CalTrans right-of-way in the area between the High Water Line of Lake Tahoe (6,229.1) and State Route 89, and no work took place in the waters of Lake Tahoe.

Issues/Concerns:
The primary issues associated with the project are:

1) Land Use: The project is located within the Tahoe Basin Area Plan in the McKinney Tract Subdistrict where shoreline protective structures are a Special Use, requiring Special Use findings and Hearings Officer review and approval per subparagraph 2.2.2.F.2.a of the TRPA Code of Ordinances.

2) Scenic Quality and Landscaping: The project area is located in and visible from both Quail Creek Roadway Unit #10 and McKinney Bay Shoreline Unity #12. Both of these scenic units are in attainment with TRPA Scenic Thresholds.

3) Littoral Drift Impacts: The relatively narrow CalTrans right-of-way between the High Water Line and Route 89 experiences a lot of wave action, making the area susceptible to erosion. Adjacent sections of shoreline that are in the CalTrans right-of-way are improved and hardened, primarily to protect the existing roadway from being undermined. Because of the modified nature of the shoreline in this area, the installation of the sloping rock revetment will not create negative impacts on adjacent sections of shoreline.

Staff Analysis:

A. Environmental Documentation: The applicant has completed an Initial Environmental Checklist (IEC) in order to assess the potential environmental impacts of the project. No unmitigated significant environmental impacts were identified, and staff has concluded that the project will not have a significant adverse effect on the environment. A copy of the completed IEC will be made available at the Hearings Officer hearing and at the TRPA Offices.

B. Land Use: The proposed project is located in the McKinney Tract Subdistrict of the Tahoe Basin Area Plan where shoreline protective structures are a Special Use, requiring Hearings Officer review and the making of Special Use Findings, which are discussed in the following section. The project area is particularly susceptible to wave action erosion and slope undercutting due to the fact that State Route 89 sits almost immediately landward of Lake Tahoe. The slope between the High Water Line and Route 89 requires rock protection in order to prevent undercutting and erosion in order to protect water quality and public health and safety.

C. Plan Area Statement: The project is located in the McKinney Tract Subdistrict of the Tahoe Basin Area Plan. The proposed use, Shoreline Protective Structure, is listed as a Special Use. The project is designed to reduce shoreline erosion and undercutting in the CalTrans right-of-way, between the roadway and the High Water Line. Agency staff has determined that the project is consistent with the planning considerations and special policies for the McKinney Tract Subdistrict of the Tahoe Basin Area Plan.

D. Shorezone Tolerance District: The subject parcel is located in Shorezone Tolerance District 7. Tolerance District 7 is characterized by a comparatively level shorezone underlain by morainic and alluvial materials with slopes of zero to nine percent. This Tolerance District requires that vehicular access to the shoreline not be permitted except where TRPA finds that such access will not cause environmental harm.

E. Construction Access: The project area consists of a 7-foot wide, 160-foot long stretch of shoreline in the CalTrans right-of-way. Access to the embankment occurred entirely from Route 89 and no work or access occurred from the lake.

F. Scenic Quality and Landscaping: The project area is visible from both Quail Creek Roadway Unit #10 and McKinney Bay Shoreline Unity #12. Both of these scenic units are in attainment with TRPA Scenic Thresholds. State Route 89 sits very close to the lake along this stretch of road, only seven feet, minimizing opportunity to incorporate planting for scenic mitigation.

Required Actions:
Staff recommends that the Hearings Officer:

1) Approve the findings contained in this staff summary and a mitigated finding of no significant environmental effect.

2) Approve the project, based on the staff summary, subject to the conditions contained in the attached Draft Permit.

Attachments:
A. Required Findings/Rationale
B. Draft Permit
C. Proposed Site Plan
D. Initial Environmental Checklist (IEC)

Attachment A

Required Findings/Rationale

Required Findings:

The following is a list of the required findings as set forth in Chapters 4, 21, 80, 81, 84, and 85 of the TRPA Code. Following each finding, Agency staff has indicated if there is sufficient evidence contained in the record to make the applicable findings or has briefly summarized the evidence on which the finding can be made.

1. Chapter 4 – Required Findings:

   (a) The project is consistent with and will not adversely affect implementation of the Regional Plan, including all applicable Goals and Policies, Plan Area Statements and maps, the Code and other TRPA plans and programs.

   There is no evidence in the file and record showing that the proposed project will have an adverse effect on the Land Use, Transportation, Conservation, Recreation, Scenic Quality, or Implementation sub-elements of the Regional Plan. This project is intended to promote environmental improvements to water quality and to improve scenic elements of the site. The project as conditioned conforms with, and will promote implementation of, all applicable elements of the Regional Plan.

   (b) The project will not cause the environmental threshold carrying capacities to be exceeded.

   TRPA staff has completed the "Project Review Conformance Checklist and Article V (g) Findings" in accordance with Section 4.4.2 of the TRPA Code of Ordinances. All responses contained on said checklist indicate compliance with the environmental threshold carrying capacities. Also, the applicant has completed an Initial Environmental Checklist (IEC). No unmitigated significant environmental impacts were identified and staff has concluded that the project will not have a significant effect on the environment. A copy of the completed checklist and IEC will be made available at the Hearings Officer hearing and at TRPA.

   (c) Wherever federal, state, or local air and water quality standards apply for the Region, the strictest standards shall be attained, maintained, or exceeded pursuant to Article V (d) of the TPRA Compact.

   The project as conditioned, will comply with all applicable air and water quality standards for the region. The project is expected to enhance water quality through improved shoreline stability and reduced erosion.

2. Chapters 21 and 81 – Special Use Findings.

   (a) The project, and the related use, is of such a nature, scale, density, intensity and type to be appropriate for the project area, and the surrounding area.

   Based on the analysis contained in the administrative record and the IEC, the proposed project is an appropriate use for the project area. The proposed design, color, texture

and materials of the shoreline protection will be compatible with the existing conditions of the slope and surrounding shoreline.

(b) The project, and the related use, will not injure or disturb the health, safety, environmental quality, enjoyment of property, or general welfare of persons or property in the neighborhood, or in the region.

The proposed project will help stabilize the shoreline and prevent further erosion into the lake and undercutting in the area. The rock slope revetment is necessary to protect State Route 89 from degrading. As such, the project will protect the health, safety, environmental quality, enjoyment of the property, and general welfare of persons and property in the neighborhood and region.

(c) The project, and the related use, will not change the character of the neighborhood, detrimentally affect or alter the purpose of any applicable plan area statement, community, redevelopment, specific, or master plan.

The project will help stabilize the shoreline and reduce the potential for erosion into the lake. The project will also help ensure the long-term stability of State Route 89 along this stretch of road. The project is not expected to affect or change the character of the neighborhood, and does not affect or alter the purpose of the McKinney Tract Subdistrict of the Tahoe Basin Area Plan. The project is compatible with, and will not adversely affect the surrounding character of the area, made up of primarily residential uses. The project includes natural rock elements designed to blend with the adjacent shoreline areas.

3. Chapter 80 – Shorezone Findings:

(a) Significant Harm: The project will not adversely impact littoral processes, fish spawning habitat, backshore stability, or on-shore wildlife habitat, including waterfowl nesting areas.

The shoreline revetment is sloping, permeable, and was constructed entirely out of rocks and boulders in order to absorb strong wave action while protecting the roadway from degradation. The project is located in an area mapped as feed and cover fish habitat; however all of the work occurred landward of the High Water Line and therefore will not adversely impact fish spawning. The project is not located within an area that is mapped as on-shore wildlife habitat nor has the site been shown to be a waterfowl nesting area. The site is mapped as suitable habitat for the Sierra Nevada yellow-legged frog. The project will not have an additional, adverse impact on suitable Sierra Nevada yellow-legged frog because the shorezone and upland areas in the immediate vicinity are already developed. Temporary ground disturbance will occur during construction of the project, which will include temporary BMPs such as a turbidity curtain to protect water quality.

(b) Accessory Facilities: There are sufficient accessory facilities to accommodate the project.

The shoreline revetment is located in the CalTrans right-of-way. The purpose of the revetment is to prevent erosion and undercutting of the roadway.

(c) Compatibility: The project is compatible with existing shorezone and lakezone uses or structures on, or in the immediate vicinity of, the littoral parcel; or that modifications of such existing uses or structures will be undertaken to assure compatibility.

Shoreline protective structures are a permissible accessory structure and special use in the McKinney Tract Subdistrict of the Tahoe Basin Area Plan. The project is compatible with existing lake and shorezone uses and structures in the vicinity. The surrounding uses consist of residential properties as well as open space.

(d) Use: The use proposed in the foreshore or nearshore is water dependent.

The shoreline revetment is intended to stabilize and protect the shoreline and the roadway from severe erosion and undercutting, and is therefore required to be located in the foreshore and nearshore of Lake Tahoe and is water-dependent by nature.

(e) Hazardous Materials: Measures will be taken to prevent spills or discharges of hazardous materials.

TRPA prohibits spray painting and the use of tributyltin. A condition of approval is the prohibition of the discharge of petroleum products, construction waste and litter (including sawdust), or earthen materials to the surface waters of the Lake Tahoe. All surplus construction waste materials are required to be removed from the project and deposited only at TRPA approved points of disposal. No containers of fuel, paint or other hazardous materials shall be stored within the backshore or the project area.

(f) Construction: Construction and access techniques will be used to minimize disturbance to the ground and vegetation.

Construction access occurred entirely from the upland along State Route 89. CalTrans workers conducted traffic control in order to utilize one lane of State Route 89 for equipment to place the rocks. The only lake access that occurred was to place a turbidity curtain along the 160 feet of rock slope protection in order to protect water quality. There is very minimal vegetation along this area of shoreline. Consequently, there was no additional disturbance to the ground and vegetation in this area.

(g) Navigation and Safety: The project will not adversely impact navigation or create a threat to public safety as determined by those agencies with jurisdiction over a lake's navigable waters.

The shoreline revetment sits entirely above the High Water Line and therefore does not adversely impact navigation not creates a threat to public health and safety as determined by those agencies with jurisdiction over the lake's navigable waters.

(h) Other Agency Comments: TRPA has solicited comments from those public agencies having jurisdiction over the nearshore and foreshore and all such comments received were considered by TRPA, prior to action being taken on the project.

This project was located landward of the High Water Line and therefore is outside of the jurisdiction of public agencies with jurisdiction over the nearshore and foreshore. As a condition of final approval, the applicant will comply with requirements of applicable agencies having jurisdiction over the project.

4. Chapter 84 - Shoreline Protective Structure Findings:

(a) Structures in the backshore or environmental threshold values will be enhanced by the construction and maintenance of the protective structures.

The shoreline revetment is designed to prevent further shoreline erosion into the lake causing undercutting of State Route 89, which was compromised due to wind and wave action. The existing infrastructure, public health and safety, and water quality will be enhanced by the construction of the revetment. The revetment is constructed out of natural rocks and boulders, will blend in with the surrounding environment, and will contribute to the stability of the slope and the existing roadway infrastructure.

(b) The protection of structures in the backshore or the enhancement of environmental threshold values more than offset the adverse environmental effects of the construction and maintenance of the shoreline protective structures.

The shoreline revetment used clean materials that match and blend with the existing backshore. No fill was removed from the lake or from the surrounding areas for the shoreline revetment. All construction materials were stored on the paved upland surfaces and protected by both permanent and temporary BMPs. The benefits of the project in preventing future degradation of the shoreline offsets potential adverse impacts that occurred during construction.

(c) Each protective structure has been designed to be sloping and permeable; provided, however, that this finding is not necessary if TRPA concurrently makes the findings required under subparagraph 84.14.2.A.

The shoreline revetment has been designed to be sloping and permeable. The objective of the revetment is to stabilize the shoreline with rocks and boulders that are large enough so as not to be dislodged with a large storm event. The sloping, dynamic rock revetment will adequately address this objective as well as upland stability, particularly of the roadway.

(d) Each protective structure has been designed so that backshore erosion on adjacent properties will not be accelerated as a result of the erection of the protective structure.

The sloping and permeable revetment is designed to minimize impacts to the lake bottom and shoreline along the adjacent properties. The movement of lake bottom material occurs in the immediate vicinity of the project area, primarily because the

shoreline on either side of the project area is hardened and wave energy is deflected towards this project area, creating an unstable environment and contributing to shoreline erosion. The stabilization of the shoreline will stop slope erosion in this area. The sloping and permeable design will neither significantly deplete nor recharge the shoreline area on adjacent properties.

5. Chapter 85 - Findings for Erosion Control and Similar Projects:

(a) The project, program, or facility is necessary for environmental protection.

The project constructed a shoreline revetment designed to stabilize the shoreline and protect the upland slope and roadway from the type of significant erosion this area has experienced in the past, leading to sever undercutting of the slope and compromising existing roadway infrastructure. The project is necessary to ensure that this type of erosion and undercutting does not occur at this site in the future, thereby protecting public health and safety and water quality.

(b) There is no reasonable alternative, which avoids or reduces the extent of encroachment in the backshore.

The erosion and undercutting occurs in the backshore; and therefore the project needs to be implemented in the backshore. Thus encroachment into the backshore cannot be avoided.

Attachment B

Draft Permit

Draft Conditional Permit

PROJECT DESCRIPTION: Caltrans ROW Shoreline Revetment APN: 530-201-00

PERMITTEES: Caltrans/Mike Bell

COUNTY/LOCATION: Placer County / State Route 89 and Meadow Road

Having made the findings required by Agency ordinances and rules, the TRPA Hearings Officer approved the project on **February 13, 2020**, subject to the standard conditions of approval attached hereto (Attachments Q and S) and the special conditions found in this permit.

This permit shall expire on **February 13, 2023**, without further notice unless the construction has commenced prior to this date and diligently pursued thereafter. Commencement of construction consists of excavation for the bottom course of rock and placement of geotextile fabric and does not include grading, installation of utilities or landscaping. Diligent pursuit is defined as completion of the project within the approved construction schedule. The expiration date shall not be extended unless the project is determined by TRPA to be the subject of legal action, which delayed or rendered impossible the diligent pursuit of the permit.

NO DEMOLITION, CONSTRUCTION OR GRADING SHALL COMMENCE UNTIL:

(1) TRPA RECEIVES A COPY OF THIS PERMIT UPON WHICH THE PERMITTEE(S) HAS ACKNOWLEDGED RECEIPT OF THE PERMIT AND ACCEPTANCE OF THE CONTENTS OF THE PERMIT;

(2) ALL PRE-CONSTRUCTION CONDITIONS OF APPROVAL ARE SATISFIED AS EVIDENCED BY TRPA'S ACKNOWLEDGEMENT OF THIS PERMIT;

(3) THE PERMITTEE OBTAINS APPROPRIATE COUNTY PERMIT. TRPA'S ACKNOWLEDGEMENT MAY BE NECESSARY TO OBTAIN A COUNTY PERMIT. THE COUNTY PERMIT AND THE TRPA PERMIT ARE INDEPENDENT OF EACH OTHER AND MAY HAVE DIFFERENT EXPIRATION DATES AND RULES REGARDING EXTENSIONS; AND

(4) A TRPA PRE-GRADING INSPECTION HAS BEEN CONDUCTED WITH THE PROPERTY OWNER AND/OR THE CONTRACTOR.

_____ _____

TRPA Executive Director/Designee Date

PERMITTEES' ACCEPTANCE: I have read the permit and the conditions of approval and understand and accept them. I also understand that I am responsible for compliance with all the conditions of the permit and am responsible for my agents' and employees' compliance with the permit conditions. I also understand that if the property is sold, I remain liable for the permit conditions until or unless the new owner acknowledges the transfer of the permit and notifies TRPA in writing of such acceptance. I also understand that certain mitigation fees associated with this permit are non-refundable once paid to TRPA. I understand that it is my sole responsibility to obtain any and all required approvals from any other state, local or federal agencies that may have jurisdiction over this project whether or not they are listed in this permit.

Signature of Permittee(s) _____ Date_____

(PERMIT CONTINUED ON NEXT PAGE)

APN 530-201-00
FILE NO. ERSP2019-1090

Project Security (1): Amount: N/A___ Posted _____ Type _____ Receipt No._____

Security Administrative Fee (2): Amount $_N/A__ Paid _____ Receipt No._____

Notes:

(1) Project Security – N/A
(2) N/A

Required plans determined to be in conformance with approval: Date: _____

TRPA ACKNOWLEDGEMENT: The Permittee has complied with all pre-construction conditions of approval as of this date and is eligible for a county building permit:

_____ _____
TRPA Executive Director/Designee Date

SPECIAL CONDITIONS

1. This permit retroactively authorizes the repair of a 160-foot section of shoreline abutting a section of State Route 89 and the intersection of State Route 89 and Meadow Road in Placer County, California. This section of shoreline eroded away in the fall of 2019, severely undermining the section of State Route 89 immediately upland of the shoreline, threatening both water quality and public health and safety. Embankment erosion occurred due the persistent high water levels over the past three years and wave action. Repairs occurred immediately and ahead of the winter months to prevent further damage to State Route 89. The work was completed immediately once CalTrans noticed the slope failure was compromising the roadway. Work completed included stabilizing the existing rock embankment, installing rock slope protection fabric parallel to the shoreline starting at the toe of the slope and extending up to the road, and placing approximately 3000 cubic yards of rock and boulders on the slope. All work occurred in the CalTrans right-of-way. A turbidity curtain was put in place in the area where work occurred prior to the start of work.

2. The Standard Conditions of Approval listed in Attachment S shall apply to this permit.

3. Prior to permit acknowledgement, the following conditions of approval must be satisfied:

   A. The site plan labeled “x-section As-Built” shall be revised to include:

      (1) A note stating that no containers of fuel, paint, or other hazardous materials may be stored on the shoreline.

      (2) Depict/describe how the edges of the shoreline revetment connect to the adjacent shoreline, including a description of how the edges of the approved

revetment connect to the edges of the adjacent areas of shoreline. This work shall be field fit and/or verified by the TRPA Inspector**.**

(3) Depict the total amount of cubic yards of material required to complete the revetment.

B. The permittee shall submit a projected construction completion schedule to TRPA prior to acknowledgment. Said schedule shall include when each item of construction occurred.

C. The Permittee shall submit three sets of final construction drawings and site plans.

4. To the maximum extent allowable by law, the Permittee agrees to indemnify, defend, and hold harmless TRPA, its Governing Board, its Planning Commission, its agents, and its employees (collectively, TRPA) from and against any and all suits, losses, damages, injuries, liabilities, and claims by any person (a) for any injury (including death) or damage to person or property or (b) to set aside, attack, void, modify, amend, or annul any actions of TRPA. The foregoing indemnity obligation applies, without limitation, to any and all suits, losses, damages, injuries, liabilities, and claims by any person from any cause whatsoever arising out of or in connection with either directly or indirectly, and in whole or in part (1) the processing, conditioning, issuance, or implementation of this permit; (2) any failure to comply with all applicable laws and regulations; or (3) the design, installation, or operation of any improvements, regardless of whether the actions or omissions are alleged to be caused by TRPA or Permittee.

   Included within the Permittee's indemnity obligation set forth herein, the Permittee agrees to pay all fees of TRPA's attorneys and all other costs and expenses of defenses as they are incurred, including reimbursement of TRPA as necessary for any and all costs and/or fees incurred by TRPA for actions arising directly or indirectly from issuance or implementation of this permit. TRPA will have the sole and exclusive control (including the right to be represented by attorneys of TRPA's choosing) over the defense of any claims against TRPA and over this settlement, compromise or other disposition. Permittee shall also pay all costs, including attorneys' fees, incurred by TRPA to enforce this indemnification agreement. If any judgment is rendered against TRPA in any action subject to this indemnification, the Permittee shall, at its expense, satisfy and discharge the same.

5. It is the permittee's responsibility to receive authorization and/or obtain any necessary permits from other responsible agencies for the proposed project.

6. Any and all removed material shall be hauled away from the site to a legally acceptable, TRPA approved location.

7. Disturbance of lakebed materials shall be the minimum necessary. The removal of rock materials from Lake Tahoe outside of the scope of this permit is prohibited.

8. Best practical control technology shall be employed to prevent earthen materials from being re-suspended or transported to adjacent lake waters as a result of construction activities.

END OF PERMIT

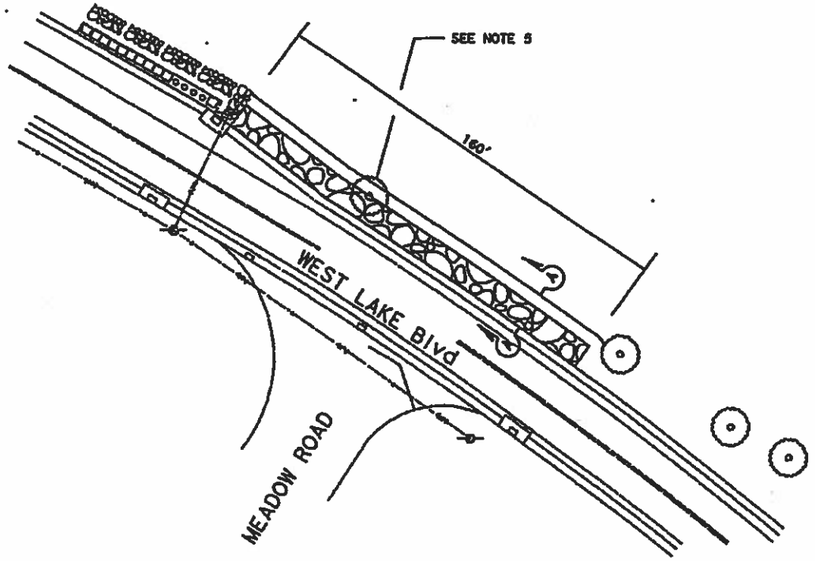
Attachment C

Proposed Site Plan

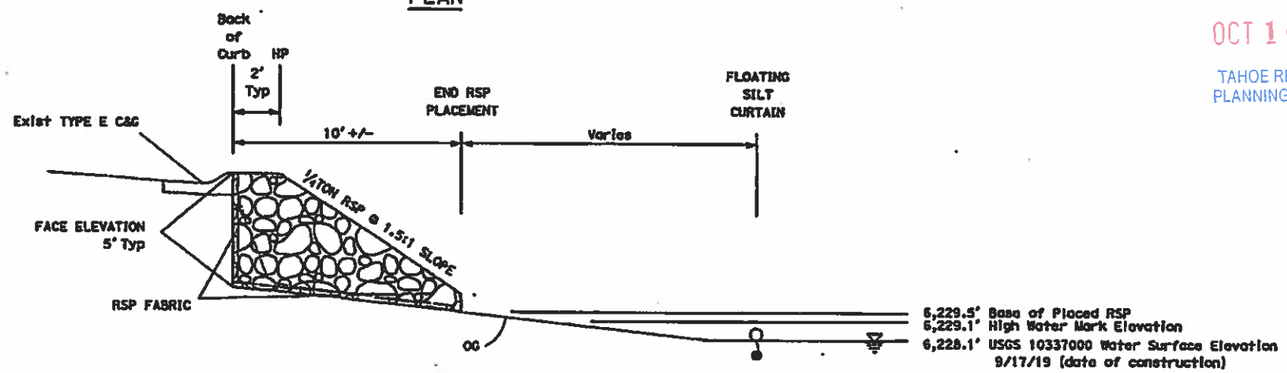
NOTES:

1. REMOVE EXIST RSP TO CREATE PROFILE GRADE
2. SET PROFILE GRADE 2:1 MAX AT ELEVATION 5' BELOW TOP OF BACK OF CURB
3. PLACE RSP FABRIC PARALLEL TO SHORELINE FROM TOE TO HINGE POINT OVERLAPING RSP FABIC MINIMUM 6" WITH ANCHOR LANDSCAPING STAKES
4. MAINTAIN EXISTING GUY WIRES TO EXISTING UTILITY POLE
5. MAINTAIN EXISTING TREES AND SURROUNDING RSP
6. FLOATING SILT CURTAIN TO BE ANCHORED WITH WEIGHTS

IN PLACER COUNTY ON ROUTE 89 NEAR HOMEWOOD



PLAN



SECTION A-A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	89	1.5	1	1

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY E. CROSBY
No. 67455
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

RECEIVED
OCT 16 2019
TAHOE REGIONAL PLANNING AGENCY

X-Section
AS-Built

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

BORDER LAST REVISED 7/2/2010 | USERNAME => s149543 DGN FILE => PLA 89 1.5 RSP as-built.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0000000001

LOG REVISED | DATE PLOTTED => 25-OCT-2019 | 00-00-00 | TIME PLOTTED => 10:14

Attachment D

Initial Environmental Checklist (IEC)

TAHOE REGIONAL PLANNING AGENCY

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HOURS
Mon. Wed. Thurs. Fri
9 am-12 pm/1 pm-4 pm
Closed Tuesday

New Applications Until 3:00 pm

Print Form

INITIAL ENVIRONMENTAL CHECKLIST FOR DETERMINATION OF ENVIRONMENTAL IMPACT

I. Assessor's Parcel Number (APN)/Project Location 530-201-00

Project Name 03-OJ270

County/City Placer

Brief Description of Project:

Caltrans had an emergency project come up on Hwy 89 and Meadow Road near Homewood in Placer County. The project was to repair an embankment from erosion adjacent to Lake Tahoe, on Route 89 in Placer County from PM 1.5 to 1.6. The embankment section along Lake Tahoe had failed due to the combination of high water levels and wind induced waves. A field review performed by District 3 personnel on 09/06/2019, revealed approximately 160' of slope erosion. Repairs needed to be completed immediately to prevent further damage and in advance of the upcoming winter storm months. There was a risk of failure encroaching into the existing shoulder and into the existing edge of traveled way. The scope of work was to: provide traffic control, clean up the existing slopes prior to Rock Slope Protection (RSP) installation, install RSP fabric parallel to the shoreline starting at the toe of the slope to the hinge point, place RSP on the newly installed fabric and to install a floating turbidity curtain in the lake around the area. Turbidity curtains were used as a means to control sediment during RSP placement. The impacts of this embankment erosion necessitated immediate repair, making the traditional contract process unacceptable. Immediate repair was needed to prevent or mitigate the loss or impairment of life, health, property and essential public services. The newly placed RSP was local sourced and pre washed. The new RSP only extended out 7 feet from the existing shoulder of the road way. There was no water entry except to place the turbidity curtain. We are not changing coverage, only restoring storm damaged embankment as allowed by the MOU.

The following questionnaire will be completed by the applicant based on evidence submitted with the application. All "Yes" and "No, With Mitigation" answers will require further written comments. Use the blank boxes to add any additional information. If more space is required for additional information, please attach separate sheets and reference the question number and letter.

II. ENVIRONMENTAL IMPACTS:

1. Land

Will the proposal result in:

a. Compaction or covering of the soil beyond the limits allowed in the land capability or Individual Parcel Evaluation System (IPES)?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

b. A change in the topography or ground surface relief features of site inconsistent with the natural surrounding conditions?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

c. Unstable soil conditions during or after completion of the proposal?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

d. Changes in the undisturbed soil or native geologic substructures or grading in excess of 5 feet?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

e. The continuation of or increase in wind or water erosion of soils, either on or off the site?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

f. Changes in deposition or erosion of beach sand, or changes in siltation, deposition or erosion, including natural littoral processes, which may modify the channel of a river or stream or the bed of a lake?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

g. Exposure of people or property to geologic hazards such as earthquakes, landslides, backshore erosion, avalanches, mud slides, ground failure, or similar hazards?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

2. Air Quality

Will the proposal result in:

a. Substantial air pollutant emissions?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

b. Deterioration of ambient (existing) air quality?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

c. The creation of objectionable odors?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

d. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

e. Increased use of diesel fuel?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

3. Water Quality

Will the proposal result in:

a. Changes in currents, or the course or direction of water movements?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff so that a 20 yr. 1 hr. storm runoff (approximately 1 inch per hour) cannot be contained on the site?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Alterations to the course or flow of 100-yearflood waters?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Change in the amount of surface water in any water body?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

e. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

f. Alteration of the direction or rate of flow of ground water?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

g. Change in the quantity of groundwater, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

h. Substantial reduction in the amount of water otherwise available for public water supplies?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

i. Exposure of people or property to water related hazards such as flooding and/or wave action from 100-year storm occurrence or seiches?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

j. The potential discharge of contaminants to the groundwater or any alteration of groundwater quality?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

k. Is the project located within 600 feet of a drinking water source?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

4. Vegetation

Will the proposal result in:

a. Removal of native vegetation in excess of the area utilized for the actual development permitted by the land capability/IPES system?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Removal of riparian vegetation or other vegetation associated with critical wildlife habitat, either through direct removal or indirect lowering of the groundwater table?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Introduction of new vegetation that will require excessive fertilizer or water, or will provide a barrier to the normal replenishment of existing species?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Change in the diversity or distribution of species, or number of any species of plants (including trees, shrubs, grass, crops, micro flora and aquatic plants)?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

e. Reduction of the numbers of any unique, rare or endangered species of plants?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

f. Removal of stream bank and/or backshore vegetation, including woody vegetation such as willows?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

g. Removal of any native live, dead or dying trees30 inches or greater in diameter at breast height (dbh) within TRPA's Conservation or Recreation land use classifications?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

h. A change in the natural functioning of an old growth ecosystem?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

5. Wildlife

Will the proposal result in:

a. Change in the diversity or distribution of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, insects, mammals, amphibians or microfauna)?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Reduction of the number of any unique, rare or endangered species of animals?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Deterioration of existing fish or wildlife habitat quantity or quality?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

6. Noise

Will the proposal result in:

a. Increases in existing Community Noise Equivalency Levels (CNEL) beyond those permitted in the applicable Plan Area Statement, Community Plan or Master Plan?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Exposure of people to severe noise levels?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Single event noise levels greater than those set forth in the TRPA Noise Environmental Threshold?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. The placement of residential or tourist accommodation uses in areas where the existing CNEL exceeds 60 dBA or is otherwise incompatible?

	☐ Yes	☒ No	
	☐ No, With Mitigation	☐ Data Insufficient	

e. The placement of uses that would generate an incompatible noise level in close proximity to existing residential or tourist accommodation uses?

	☐ Yes	☒ No	
	☐ No, With Mitigation	☐ Data Insufficient	

f. Exposure of existing structures to levels of ground vibration that could result in structural damage?

	☐ Yes	☒ No	
	☐ No, With Mitigation	☐ Data Insufficient	

7. Light and Glare

Will the proposal:

a. Include new or modified sources of exterior lighting?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Create new illumination which is more substantial than other lighting, if any, within the surrounding area?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Cause light from exterior sources to be cast off -site or onto public lands?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Create new sources of glare through the siting of the improvements or through the use of reflective materials?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

8. Land Use

Will the proposal:

a. Include uses which are not listed as permissible uses in the applicable Plan Area Statement, adopted Community Plan, or Master Plan?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Expand or intensify an existing non-conforming use?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

9. Natural Resources

Will the proposal result in:

a. A substantial increase in the rate of use of any natural resources?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

b. Substantial depletion of any non-renewable natural resource?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

10. Risk of Upset

Will the proposal:

a. Involve a risk of an explosion or the release of hazardous substances including, but not limited to, oil, pesticides, chemicals, or radiation in the event of an accident or upset conditions?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

b. Involve possible interference with an emergency evacuation plan?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

11. Population

Will the proposal:

a. Alter the location, distribution, density, or growth rate of the human population planned for the Region?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Include or result in the temporary or permanent displacement of residents?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

12. Housing

Will the proposal:

a. Affect existing housing, or create a demand for additional housing?

To determine if the proposal will affect existing housing or create a demand for additional housing, please answer the following questions:

(1) Will the proposal decrease the amount of housing in the Tahoe Region?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

(2) Will the proposal decrease the amount of housing in the Tahoe Region historically or currently being rented at rates affordable by lower and very-low-income households?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

Number of Existing Dwelling Units: _____

Number of Proposed Dwelling Units: _____

b. Will the proposal result in the loss of housing for lower-income and very-low-income households?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

13. Transportation/Circulation

Will the proposal result in:

a. Generation of 100 or more new Daily Vehicle Trip Ends (DVTE)?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

b. Changes to existing parking facilities, or demand for new parking?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

c. Substantial impact upon existing transportation systems, including highway, transit, bicycle or pedestrian facilities?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

d. Alterations to present patterns of circulation or movement of people and/or goods?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

e. Alterations to waterborne, rail or air traffic?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

f. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

14. Public Services

Will the proposal have an unplanned effect upon, or result in a need for new or altered governmental services in any of the following areas?

a. Fire protection?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Police protection?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Schools?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Parks or other recreational facilities?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

e. Maintenance of public facilities, including roads?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

f. Other governmental services?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

15. Energy

Will the proposal result in:

a. Use of substantial amounts of fuel or energy?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Substantial increase in demand upon existing sources of energy, or require the development of new sources of energy?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

16. Utilities

Except for planned improvements, will the proposal result in a need for new systems, or substantial alterations to the following utilities:

a. Power or natural gas?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Communication systems?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Utilize additional water which amount will exceed the maximum permitted capacity of the service provider?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Utilize additional sewage treatment capacity which amount will exceed the maximum permitted capacity of the sewage treatment provider?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

e. Storm water drainage?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

f. Solid waste and disposal?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

17. Human Health

Will the proposal result in:

a. Creation of any health hazard or potential health hazard (excluding mental health)?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

b. Exposure of people to potential health hazards?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

18. Scenic Resources/Community Design

Will the proposal:

a. Be visible from any state or federal highway, Pioneer Trail or from Lake Tahoe?

☒ Yes ☐ No ☐ No, With Mitigation ☐ Data Insufficient

b. Be visible from any public recreation area or TRPA designated bicycle trail?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

c. Block or modify an existing view of Lake Tahoe or other scenic vista seen from a public road or other public area?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

d. Be inconsistent with the height and design standards required by the applicable ordinance or Community Plan?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

e. Be inconsistent with the TRPA Scenic Quality Improvement Program (SQIP) or Design Review Guidelines?

☐ Yes ☒ No ☐ No, With Mitigation ☐ Data Insufficient

19. Recreation

Does the proposal:

a. Create additional demand for recreation facilities?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Create additional recreation capacity?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

c. Have the potential to create conflicts between recreation uses, either existing or proposed?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

d. Result in a decrease or loss of public access to any lake, waterway, or public lands?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

20. Archaeological/Historical

a. Will the proposal result in an alteration of or adverse physical or aesthetic effect to a significant archaeological or historical site, structure, object or building?

☐ Yes ☒ No

☐ No, With Mitigation ☐ Data Insufficient

b. Is the proposed project located on a property with any known cultural, historical, and/or archaeological resources, including resources on TRPA or other regulatory official maps or records?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

c. Is the property associated with any historically significant events and/or sites or persons?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

d. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

e. Will the proposal restrict historic or pre-historic religious or sacred uses within the potential impact area?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

21. Findings of Significance.

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California or Nevada history or prehistory?

☐ Yes ☒ No
☐ No, With Mitigation ☐ Data Insufficient

b. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? (A short-term impact on the environment is one which occurs in a relatively brief, definitive period of time, while long-term impacts will endure well into the future.)

	☐ Yes	☒ No	
	☐ No, With Mitigation	☐ Data Insufficient	

c. Does the project have impacts which are individually limited, but cumulatively considerable? (A project may impact on two or more separate resources where the impact on each resource is relatively small, but where the effect of the total of those impacts on the environmental is significant?)

	☐ Yes	☒ No	
	☐ No, With Mitigation	☐ Data Insufficient	

d. Does the project have environmental impacts which will cause substantial adverse effects on human being, either directly or indirectly?

	☐ Yes	☒ No	
	☐ No, With Mitigation	☐ Data Insufficient	

DECLARATION:

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best ofmy ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Signature: **(Original signature required.)**

M Bell — Person Preparing Application

At Yuba — County

Date: 10-9-19

Applicant Written Comments: (Attach additional sheets if necessary)

Print Form

FOR OFFICE USE ONLY

Date Received: 2/6/2020 By: Tiffany Good

Determination:

On the basis of this evaluation:

a. The proposed project could not have a significant effect on the environment and a finding of no significant effect shall be prepared in accordance with TRPA's Rules of Procedure.

☒ Yes ☐ No

b. The proposed project could have a significant effect on the environment, but due to the listed mitigation measures which have been added to the project, could have no significant effect on the environment and a mitigated finding of no significant effect shall be prepared in accordance with TRPA's Rules and Procedures.

☐ Yes ☐ No

c. The proposed project may have a significant effect on the environment and an environmental impact statement shall be prepared in accordance with Chapter 3 of the TRPA Code of Ordinances and the Rules of Procedure.

☐ Yes ☐ No

Tiffany Good
Signature of Evaluator

Date: 2/6/2020

Principal Planner
Title of Evaluator