

## **Appendix A** CEQA Environmental Checklist

---

The Environmental Checklist and discussion of potential significant adverse impacts was completed in accordance with Section 15063(d)3 of the California Environmental Quality Act Guidelines to determine if the Proposed Project may have any significant adverse impact on the environment not previously discussed in the FMND/IS adopted in 2002. The CEQA impact levels include potentially significant impact, less than significant impact with mitigation, less than significant impact and no impact.

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>I. Aesthetics.</b> Would the project:				
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) Substantially degrade the existing visual character or quality of the site and its surroundings?		X		
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				X
<b>II. Agriculture Resources.</b> In determining whether impacts to agriculture resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) 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?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?				X
<b>III. Air Quality:</b> Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?				X
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?				X
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?				X

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
d) Expose sensitive receptors to substantial pollutant concentrations?				X
e) Create objectionable odors affecting a substantial number of people?				X
<b>IV. Biological Resources.</b> Would the project:				
a) 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 US Fish and Wildlife Service?				X
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?				X
c) 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?				X
d) 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 wildlife nursery sites?				X
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provision of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X
<b>V. Cultural Resources.</b> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?				X
c) Directly or indirectly destroy a unique paleontological resource or site of unique geologic feature?				X
d) Disturb any human remains, including those interred outside of formal cemeteries?				X

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>VI. Geology and Soils.</b> Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) 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.				X
ii) Strong seismic ground shaking?				X
iii) Seismic-related ground failure, including liquefaction?				X
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geological 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?				X
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?				X
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X
<b>VII. Hazards and Hazardous Materials.</b> Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				X
b) 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?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
d) 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?				X
e) 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?				X
f) 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?				X
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
h) 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?				X
<b>VIII. Hydrology and Water Quality.</b> Would the project:				
a) Violate any water quality standards or waste discharge requirements?				X
b) 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 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)?				X
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?			X	
d) Substantially alter the existing drainage pattern of the site or area, including 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?			X	

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
e) 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?				X
f) Otherwise substantially degrade water quality?				X
g) Place housing 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?				X
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				X
i) 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?				X
j) Inundation by seiche, tsunami, or mudflow?				X
<b>IX. Land Use and Planning.</b> Would the project:				
a) Physically divide an established community?				X
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?				X
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?				X
<b>X. Mineral Resources.</b> Would the project:				
a) 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?				X
b) 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?				X
<b>XI. Noise.</b> Would the project result in:				
a) Exposure of persons to, or generation of, noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?				X
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?				X

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?				X
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?				X
e) 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 expose people residing or working in the project area to excessive noise levels?				X
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?				X
<b>XII. Population and Housing.</b> Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				X
<b>XIII. Public Services.</b> Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire protection?				X
b) Police protection?				X
c) Schools?				X
d) Parks?				X
e) Other public facilities?				X

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>XIV. Recreation.</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				X
<b>XV. Transportation/Traffic.</b> Would the project:				
a) Cause an increase in traffic that is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?				X
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?				X
c) Results in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?				X
d) Substantially increase hazards due to a design feature (e.g. sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
e) Result in inadequate emergency access?				X
f) Result in inadequate parking capacity?				X
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?				X
<b>XVI. Utilities and Service Systems.</b> Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?				X
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X

Potential Impacts	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?				X
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				X
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?				X
g) Comply with federal, state, and local statutes and regulations related to solid waste?				X
<b>XVII. Mandatory Findings of Significance.</b>				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife 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 history or prehistory?				X
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)				X
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				X

## **Appendix B** Tahoe Regional Planning Agency Initial Environmental Checklist

---

### TRPA INITIAL ENVIRONMENTAL CHECK LIST

For

The Initial Determination of Environmental Impact

Assessor Parcel Number(s): State Route (SR) 267 in Placer County

---

#### **I. PROJECT NAME AND DESCRIPTION:** (use additional sheets, if necessary)

Brockway Summit Water Quality Improvement Project Subsequent Negative Declaration: The California Department of Transportation (Caltrans) proposes to rehabilitate and improve the drainage system along a 3.4 km (2 mi) section of SR-267, near Brockway Summit in Placer County. The Water Quality Improvement Project previously approved in August 2002 consisted of the implementation of infiltration basins at fourteen sites along a two mile segment of State Route 267 (SR-267). For fiscal reasons, the scope of the project was ultimately reduced, and seven of the sites were placed on hold until additional funding became available. These seven sites have now received funding (EA 1C9270) and design of storm water treatment BMPs for the sites is proceeding. Three of the seven sites have been selected for design as infiltration basins, as previously planned. However, the remaining four sites have been selected for design as chemically-enhanced detention basin (CEDB) pilot sites. The CEDB pilot study portion of this project represents a change from the MND that was approved for the Brockway Summit Water Quality Improvement Project. As a result, this SND has been prepared to describe and assess any potential environmental impacts of the CEDB pilot project.

**II. ENVIRONMENTAL IMPACTS:**

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.**

**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
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
X			

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
	X		

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
	X		

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
	X		

## 2. Air Quality

Will the proposal result in?

a. Substantial air pollutant emissions?

Yes	No	No, with Mitigation	Data Insufficient
	X		

b. Deterioration of ambient (existing) air quality?

Yes	No	No, with Mitigation	Data Insufficient
	X		

c. The creation of objectionable odors?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

e. Increased use of diesel fuel?

Yes	No	No, with Mitigation	Data Insufficient
	X		

### 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
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

f. Alteration of the direction or rate of flow of groundwater?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

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
	X		

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
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

g. Removal of any native live, dead or dying trees 30 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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

b. Exposure of people to severe noise levels?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**7. Light and Glare**

Will the proposal:

a. Include new or modified sources of exterior lighting?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

**8. Land Use**

Will the proposal:

a. Include uses that 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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

## 10. Risk of Upset

a. Does the proposal 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
	X		

b. Will the proposal involve possible interference with an emergency evacuation plan?

Yes	No	No, with Mitigation	Data Insufficient
	X		

## 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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

## 12. Housing

Will the proposal affect existing housing, or create a demand for additional housing?

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

e. Alterations to waterborne, rail or air traffic?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

#### 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
	X		

b. Police protection?

Yes	No	No, with Mitigation	Data Insufficient
	X		

c. Schools?

Yes	No	No, with Mitigation	Data Insufficient
	X		

d. Parks or other recreational facilities?

Yes	No	No, with Mitigation	Data Insufficient
	X		

e. Maintenance of public facilities, including roads?

Yes	No	No, with Mitigation	Data Insufficient
	X		

f. Other governmental services?

Yes	No	No, with Mitigation	Data Insufficient
	X		

#### 15. Energy

Will the proposal result in?

a. Use of substantial amounts of fuel or energy?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

**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
X			

b. Communication systems?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

e. Storm water drainage?

Yes	No	No, with Mitigation	Data Insufficient
	X		

f. Solid waste and disposal?

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

b. Exposure of people to potential health hazards?

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
X			

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**19. Recreation:**

Does the proposal:

a. Create additional demand for recreation facilities?

Yes	No	No, with Mitigation	Data Insufficient
	X		

b. Create additional recreation capacity?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**20. Archaeological/Historical**

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

b. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

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

Yes	No	No, with Mitigation	Data Insufficient
	X		

**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
	X		

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
		X	

c. Does the project have impacts that 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 environment is significant?)

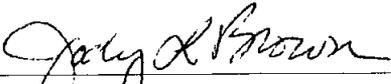
Yes	No	No, with Mitigation	Data Insufficient
	X		

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
	X		

### III CERTIFICATION

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 of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

  
Jody L. Brown

20 September 2005  
Date

#### WRITTEN COMMENTS:

*Section 1d:* Construction of the CEDB pilot sites is expected to result in the disturbance of soil in excess of five feet below ground, only in the limited areas of excavation for the basins and underground storage vaults. Moreover, these effects occur in areas of previous soil disturbance related to highway construction. Therefore, it is expected that any affect that the basin construction may have on the geology of the area will be negligible.

*Section 16a:* Modifications to the existing SPPC electrical system are needed to supply power to the pilot dosing and monitoring systems. However, the power required to operate these systems will be minimal and will have a negligible impact on existing electrical utilities. All modifications to the electrical system occur within the existing APE.

*Section 18a:* The project may be visible from some segments of SR-267 within the project vicinity. Since it is not possible to avoid the visual impacts that the post construction activities will have, Caltrans will implement the mitigation measures specified in the FMND/IS.

*Section 21b:* Any short-term impacts are related to construction of the CEDB pilot sites, which is expected to occur over a period of less than six months. To minimize any impacts, Caltrans will implement the mitigation measures specified in the FMND/IS.

**IV DETERMINATION (TO BE COMPLETED BY TRPA)**

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 that 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 this chapter and TRPA's Rules of Procedure.

Yes	No

---

Signature of Evaluator

Date

---

Title of Evaluator

## Appendix C Mitigation Monitoring Program

A letter will be sent to the Caltrans Construction Resident Engineer (RE) regarding all the design features and mitigation measures described in this document. The RE will be responsible for ensuring that all mitigation measures will be implemented throughout construction.

Table 2 includes all mitigation measures for the Proposed Project.

**Table 2. Mitigation Monitoring Plan**

Mitigation Measure	Completion Date	Responsible Party	Monitor	Frequency/Action Plan
All above ground features, including all power source facilities shall require some form of screening or treatment per TRPA code. The utility boxes located above ground shall require the metal boxes to be painted a dark green or brown color to blend into surroundings.	Prior to the completion of landscape and construction plans.	Contractor and Caltrans RE	Caltrans Environmental Coordinator Landscape Architect	Construction plans prepared for the project will incorporate screening and repainting to minimize aesthetic impacts.
The basin side slopes shall be revegetated per the revegetation plan prepared by the Caltrans Landscape Office.	Throughout the duration of construction activity.	Caltrans Landscape Office, Contractor and Caltrans RE	Caltrans Biologist	The Caltrans Landscape Office will prepare a revegetation plan to be incorporated during construction.
Many of the project elements shall be placed below ground to minimize visual impacts.	Prior to the completion of construction plans.	Contractor and Caltrans RE	Caltrans RE	Construction plans prepared for the project will incorporate designs to underground elements of the project.
Dust control practices may include: Covering open bodied trucks when used for transporting materials likely to give rise to airborne dust.	Throughout the duration of construction activity.	Contractor and Caltrans RE	Caltrans RE	The Caltrans RE will have daily oversight of the project site and will ensure that erosion control measures are continuously implemented throughout the duration of construction.
The use of water or chemicals for control of dust in the construction process and the grading of roads or the clearing of land.	Throughout the duration of construction activity.	Contractor and Caltrans RE	Caltrans RE	The Caltrans RE will have daily oversight of the project site. BMPs will be continuously implemented throughout the duration of construction.

<b>Mitigation Measure</b>	<b>Completion Date</b>	<b>Responsible Party</b>	<b>Monitor</b>	<b>Frequency/Action Plan</b>
Water disturbed areas to form a compact surface after grading and earth work.	Throughout the duration of construction activity.	Contractor and Caltrans RE	Caltrans RE	The Caltrans RE will have daily oversight of the project site. BMPs will be continuously implemented throughout the duration of construction.
The prompt removal of earth or other material from paved roadways onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.	Throughout the duration of construction activity.	Contractor and Caltrans RE	Caltrans RE	The Caltrans RE will have daily oversight of the project site. BMPs will be continuously implemented throughout the duration of construction.
The polyaluminum chloride coagulants used for the Proposed Project are commonly used in water treatment applications. These chemicals shall be handled according to the requirements specified in the material safety data sheets (MSDS). Additionally, these chemicals shall be contained in tanks and stored within water-tight underground vaults. The chemical tanks shall be placed on containment pallets that will contain any potential chemical leaks. Absorbent mats and a sump area shall also be provided to ensure the vault floor remains dry.	Prior to the completion of construction plans.	Contractor and Caltrans RE	Caltrans RE	Construction plans and specifications prepared for the project will incorporate proper handling measures for chemical use.
The chemical dosing system designs shall incorporate additional safety measures including real-time monitoring systems. These monitoring systems allow for the remote monitoring of pH, turbidity and other water quality parameters of the basin effluent. Any potential overdosing of chemical will signal the dosing control system to immediately halt the further release of chemical.	Prior to the completion of construction plans.	Contractor and Caltrans RE	Caltrans RE	Construction plans prepared for the project will incorporate safety measures.
Caltrans shall coordinate with SPPC to provide electrical services to the site.	Prior to the completion of construction plans.	Contractor and Caltrans RE	Caltrans RE	Caltrans will coordinate with SPPCO to ensure that power is provided to the site.

*Use of Best Management Practices:*

The implementation of BMPs shall be incorporated in compliance with the MMP approved on August 16, 2002 for the Brockway Summit Water Quality Improvement Final Mitigated Negative Declaration/Initial Study. All other mitigation measures listed in the FMND/IS are approved for the project site and are also required measures to be incorporated into the Proposed Project.

## **Appendix D** Brockway Summit Water Quality Improvement Project Final MND/IS

---

The following pages contain the Brockway Summit Water Quality Improvement Project Final MND/IS approved and certified on August 16, 2002.

## **Appendix E** Project Plans and Mapping

---

The following pages contain design mapping for the Proposed Project. See the following key to determine the representation of the colored lines and areas.

### **Mapping Key**

Yellow = Edge of SR-267  
Grey = Existing Drainage Structures  
Grey = Existing Electrical Facilities  
Blue = Proposed CEDBs and Infiltration Basins  
Black = Proposed Electrical Modifications  
Red = Existing APE  
Blue = Existing Supplemental APE  
Cyan = Stream Environment Zone (SEZ)

### **Location of Project Basins**

The proposed infiltration basins and CEDBs are denoted by Station Numbers. The Station Numbers start at 00+00 at the intersection of SR-267 and SR-28, and increase in value northward over Brockway Summit. The following seven layouts have the Station Numbers marked on the centerline of the highway. The Station Numbers are in meters and only cover the project limits (Station 20+00 through Station 40+40).

*Example: Station 20+00 = 2,000 meters from the intersection of SR-267 and SR-28.*

Each tick mark between stations = 20 meters.

*Example: Total distance between station 20+00 and 21+00 = 100 meters.*

**Location of Basin #1 = Station 22+00 (Infiltration Basin 1)**  
**Location of Basin #2 = Station 28+40 (Infiltration Basin 2)**  
**Location of Basin #3 = Station 29+80 (CEDB 3)**  
**Location of Basin #4 = Station 33+20 (Infiltration Basin 4)**  
**Location of Basin #5 = Station 34+80 (CEDB 5)**  
**Location of Basin #6 = Station 36+80 (CEDB 6)**  
**Location of Basin #7 = Station 38+40 (CEDB 7)**

## **Appendix F Response to Comments**

---

The State of California Department of Transportation (Caltrans) circulated the Draft Subsequent Negative Declaration (SND) for the proposed Brockway Summit Water Quality Improvement Project for public review between September 27, 2005 and October 26, 2005 with additional review time provided by Caltrans for the review period to end November 21, 2005. This Appendix contains a copy of the public notice, copies of the written correspondence received, and the associated responses prepared by Caltrans.

The written comments received on the circulated Draft SND included two letters from State and regional agencies. Written comments on the circulated Draft SND for the proposed Brockway Summit Water Quality Improvement Project were received from the following:

- S1 State of California Governor's Office of Planning and Research, State Clearinghouse (October, 27, 2005).
- R1 California Regional Water Quality Control Board Lahontan Region (October 28, 2005).



Arnold  
Schwarzenegger  
Governor

Letter S-1

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Sean Walsh  
Director

October 27, 2005

Lupe Jimenez  
Department of Transportation, District 3  
2389 Gateway Oaks Drive, 1st Floor  
Sacramento, CA 95833

Subject: Chemically Enhanced Detention Basin Pilot Study  
SCH#: 2002062111

Dear Lupe Jimenez:

The State Clearinghouse submitted the above named Negative Declaration to selected state agencies for review. The review period closed on October 26, 2005, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Terry Roberts  
Director, State Clearinghouse

S1-1

**Document Details Report  
State Clearinghouse Data Base**

**SCH#** 2002062111  
**Project Title** Chemically Enhanced Detention Basin Pilot Study  
**Lead Agency** Caltrans #3

---

**Type** Neg Negative Declaration  
**Description** The project is located in Placer County on State Route 267. The project limits extend from 1.0 km south of Brockway Summit to Stewart Way.

---

**Lead Agency Contact**

**Name** Lupe Jimenez  
**Agency** Department of Transportation, District 3  
**Phone** 916-274-0597 **Fax**  
**email**  
**Address** 2389 Gateway Oaks Drive, 1st Floor  
**City** Sacramento **State** CA **Zip** 95833

---

**Project Location**

**County** Placer  
**City**  
**Region**  
**Cross Streets** Steward Way  
**Parcel No.**  

<b>Township</b>	<b>Range</b>	<b>Section</b>	<b>Base</b>
-----------------	--------------	----------------	-------------

---

**Proximity to:**

**Highways** 267 and 28  
**Airports**  
**Railways**  
**Waterways**  
**Schools**  
**Land Use** State Route 267

---

**Project Issues** Aesthetic/Visual; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Geologic/Seismic; Recreation/Parks; Toxic/Hazardous; Water Quality

---

**Reviewing Agencies** Resources Agency; Department of Fish and Game, Region 2; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Department of Health Services; Native American Heritage Commission; State Lands Commission; Tahoe Regional Planning Agency; Regional Water Quality Control Bd., Region 6 (So Lake Tahoe)

---

**Date Received** 09/26/2005      **Start of Review** 09/27/2005      **End of Review** 10/26/2005

**S1      RESPONSES TO COMMENTS FROM STATE OF CALIFORNIA  
GOVERNOR'S OFFICE OF PLANNING AND RESEARCH DATED  
OCTOBER 27, 2005**

S1-1    This comment simply states that the State of California Office of Planning and Research submitted the Draft SND to selected state agencies for review. The review period closed on October 26, 2005, and no state agencies submitted comments by that date.



California Regional Water Quality Control Board  
Lahontan Region



Allen C. Lloyd Ph.D.  
Agency Secretary

2501 Lake Tahoe Boulevard, South Lake Tahoe, California 96150  
(530) 542-5400 • Fax (530) 544-2271  
http://www.swrcb.ca.gov/rwqcb6

Arnold Schwarzenegger  
Governor

MEMORANDUM

**TO:** Lupe Jimenez  
Acting Chief  
Office of Environmental Management  
2389 Gateway Oaks Drive, Suite 100  
Sacramento, CA 95833

**FROM:** Robert Erlich  
Environmental Scientist  
**LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD**

**DATE:** October 28, 2005 (by e-mail and fax)

**SUBJECT: COMMENTS ON THE SUBSEQUENT NEGATIVE DECLARATION FOR THE SR-267 CHEMICALLY-ENHANCED DETENTION BASIN PILOT STUDY – BROCKWAY SUMMIT WATER QUALITY IMPROVEMENT PROJECT, PLACER COUNTY EA 1C9720 - SCH# 2002062111**

On September 30, 2005, Lahontan Regional Water Quality Control Board (Regional Board) staff received a copy of the above-referenced Subsequent Negative Declaration (SND) prepared pursuant to provisions of the California Environmental Quality Act (CEQA). As a state agency responsible for protecting water quality with the Lahontan Region, we have reviewed the SND and have the following comments.

R1-1

**Project Description**

Caltrans is proposing to add the State Route 267 Chemically-Enhanced Detention Basin (CEDB) Pilot Study to the original Brockway Summit Water Quality Improvement Project previously reviewed in 2002 pursuant to CEQA. Polyaluminum chloride coagulants will be used in four CEDB pilot sites at locations previously identified as infiltration basins.

**Chapter 1 Proposed Project**

Description of Water Quality Requirements

The proposed project must also comply with all requirements in the Water Quality Control Plan for the Lahontan Region (Basin Plan). Chapter 5.1 of the Basin Plan identifies water quality objectives for surface waters and ground waters. Water quality objectives for chemical constituents and toxicity are specified in Chapter 5.1. Waste Discharge Prohibitions are found in Chapter 5.2 of the Basin Plan.

R1-2

A new Tahoe Basin NPDES general construction permit (Board Order R6T 2005-0007) was recently adopted, replacing Board Order 6-00-03. Caltrans must comply with the requirements in Board Order R6T 2005-0007.

R1-2

*Requested Actions-Modify text to address issues of compliance with Basin Plan objectives and waste discharge requirements.*

Area of Potential Effect for the Project

Since basins originally designed to infiltrate runoff from the design storm are being converted to detention basins, additional stormwater runoff containing chemical coagulants may discharge from the CEDBs to land or possibly to surface waters beyond the original area of potential effect. In 2005, the upper infiltration basin constructed in 2004 for the Brockway Summit project discharged runoff approximately 1000 feet beyond the outfall onto the Tahoe Rim Trail. Since detention basins cannot infiltrate, most of the runoff reaching the CEDBs would be discharged at the detention basin outfalls. The location of Stream Environment Zones, including ephemeral streams is not shown in Appendix E maps, making it difficult to assess whether new impacts to surface waters may occur.

R1-3

*Requested Actions- CEQA requires disclosure of potential impacts considering the whole project. Modify the maps in Appendix E to show existing drainages, SEZs and surface waters. Discuss potential impacts of discharge beyond the basin outfalls, particularly for the CEDBs. Modify the area of potential effect to account for additional impacts below the outfalls of CEDBs or discuss the significance of potential discharge beyond the Area of Potential Effect.*

Agency Actions

In addition to reviewing a Storm Water Pollution Prevention Plan prior to construction, Regional Board staff may inspect the project or ask for submittal of reports to document compliance with the Caltrans statewide permit and Board Order R6T 2005-0007 requirements during construction. Regional Board staff need to obtain the results of water quality sampling of the CEDBs to determine compliance with permit and Basin Plan requirements.

R1-4

*Requested Actions- Modify text to acknowledge these agency actions, and provide a time line to promptly provide water quality sampling data to Regional Board staff.*

**Chapter 2 Analysis of Potential Environmental Impacts Associated with Proposed Modifications**

Geology and Soils

Though the proposed project is not located on unstable land or in an area of known landslides or liquefaction, some of the steep basin cut slopes constructed in 2004 failed during the spring of 2005. This impact was not adequately identified in the 2002 environmental document. Slope failure resulting in discharge of sediment into infiltration basins can adversely impact infiltration rates. For infiltration or detention basins that discharge to land or surface waters, the additional

R1-5

sediment from slope failures can be an adverse impact by increasing discharge volumes or the turbidity of runoff from basins.

R1-5

*Requested Actions- Describe mitigation/minimization/avoidance measures to limit potential impacts from slope failures on slopes in excess of 30% to be constructed for this phase of the Brockway Summit project.*

Hazards and Hazardous Materials

Caltrans reported on acute toxicity testing of chemically dosed stormwater. Chapter 5 of the Basin Plan (Page 5.1-15) “General Direction Regarding Compliance With Objectives” discusses standard analytical methods to determine both acute and chronic toxicity. If the CEDBs result in discharges of chemicals to surface waters, the lack of chronic toxicity testing becomes an issue. While not mandatory for this project, Caltrans should complete chronic toxicity testing to determine whether CEDBs can be used where discharge to surface waters is expected. The Need and Purpose section (Page 7) of the SND states that successful completion of this CEDB pilot study may lead to the development of storm water treatment solutions to meet the water quality objectives in the Caltrans NPDES Permit. Should the pilot study be successful, many of the locations where Caltrans would consider CEDBs would be in sites where discharge to surface waters would be anticipated.

R1-6

Since the CEDBs would not infiltrate runoff within the basin, and runoff would routinely be discharged beyond the basins, mitigation/minimization/avoidance measures to modify the design or operation of the project to prevent discharge to surface waters should be included. Examples of these measures include, but are not limited to, modification of basin design from detention basin to infiltration basin and reducing or eliminating chemical use if runoff is expected to reach surface waters. Completion of chronic toxicity studies showing no adverse impacts may remove the need to modify design or operation of the CEDBs to avoid impacts to surface waters.

Hydrology and Water Quality

See comments on Hazards and Hazardous Materials.

*Requested Actions- 1) Complete a study of chronic toxicity impacts for chemically dosed storm water, 2) Provide details of minimization and avoidance measures to reduce or eliminate risks associated with discharge to surface waters.*

R1-7

If you have any questions or comments please contact me at (530) 542-5433.

cc: TRPA – Charles Emmett, Jon-Paul Harries  
Caltrans – Jody Brown

RE/ T: Brockway CEDB.ceqacomment.doc  
[File : Caltrans – D3 Construction - Brockway Basin Retrofit Project]

**R1 RESPONSES TO COMMENTS FROM CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LAHONTAN REGION DATED OCTOBER 28, 2005**

- R1-1 Comment noted. No response necessary.
- R1-2 The reference number to the new Lake Tahoe Basin Regional Construction Permit to (BOARD ORDER R6T 2005-0007) will be updated in the text of the SND. However, specific applicable chapter references to the Basin Plan are listed specifically in the statewide NPDES permit and this level of detail is not appropriate for this environmental document. No further response is required.
- R1-3 Maps showing APE, SEZ boundaries, and slopes greater than 30 percent are included in Appendix E. No further response is required.
- R1-4 Caltrans is currently conducting toxicity testing and Regional Board staff will have previewed the toxicity report before the implementation of the project. At this point, the frequency of the water quality data collection is not known but toxicity testing is planned during the monitoring of the CEDB pilot. An outline of toxicity testing will be provided prior to commencing the monitoring. A minimum of six-weeks is required to have quality assurance/quality control of data before it is available for review. The SND was revised to reflect future chronic toxicity testing. No further response is required.
- R1-5 The details of the slope stabilization are covered in the plans and specifications. These plans and specifications were modified from the observation of the cause and effect of the slope failures in the previous Brockway Summit Water Quality Improvement Project. Additionally, a description of slope stabilization is included in the SND. No further response is required.
- R1-6 Chronic toxicity testing will be conducted and the results of this testing will be provided to the Regional Board prior to monitoring of the CEDB pilot sites. These pilots are detention basins and are therefore designed to discharge to surface waters and not infiltrate. Minimization and avoidance measures to reduce or eliminate risk associated with discharge to surface water are an integral part of the pilot study and are included in the SND as additional mitigation measures. Measures to minimize

toxicity will continue to be considered during monitoring of the sites. No further response is required.

R1-7 See Response R1-6.