Final
SUPPLEMENT
to the
MITIGATED NEGATIVE DECLARATION
for
MARSHALL GOLD DISCOVERY STATE HISTORIC PARK
PARK IMPROVEMENT PROJECT

May 2013
State Clearinghouse #2010032032

Lead Agency

State of California
DEPARTMENT OF PARKS AND RECREATION
Acquisition and Development Division
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A. MITIGATION AND MONITORING PLAN

SUPPLEMENT
MITIGATED NEGATIVE DECLARATION

PROJECT: **PARK IMPROVEMENT STATE PARK**

LEAD AGENCY: California Department of Parks and Recreation (DPR)

INTRODUCTION AND REGULATORY GUIDANCE

California Department of Parks and Recreation (DPR) adopted a Final Mitigated Negative Declaration (MND) for the above project on April 13, 2010. The State Clearinghouse number for this project is 2010032032.

DPR has prepared a Supplement to the Final Mitigated Negative Declaration for the Park Improvement Project at Marshall Gold Discovery State Historic Park to disclose changes in project scope that in some cases would require the preparation of a subsequent MND (per described in CCR §15162). However, the previous MND can be made adequate for the project in the changed situation, with only minor changes and additions to the previously adopted MND, in accordance with CCR §15163(a)(1 & 2). This Supplement contains only that information necessary to make the previous MND adequate for the project as revised (CCR §15163(b)). This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code §21000 *et seq.*, and the State CEQA Guidelines, California Code of Regulations (CCR) §15000 *et seq.*

This Supplement to the Final MND will receive the same kind of notice and public review given to a draft MND, under CCR §15087 *et seq,* and will be filed with the Office of Planning and Research/State Clearinghouse (OPR).

The Project Description below reflects changes as specified in the Corrections and Additions section of this document.

LEAD AGENCY

The lead agency is the public agency with primary approval authority over the proposed project. In accordance with CEQA Guidelines §15051(b)(1), "the lead agency will normally be an agency with general governmental powers, such as a city or county, rather than an agency with a single or limited purpose." The lead agency for the proposed project is DPR.

SUMMARY OF FINDINGS

While this document supplements information included in the original Draft and Final MND, a determination of no significant impact is still applicable and is supported by the findings indicated below.

- There was no potential for adverse impacts on Agricultural Resources, Land Use and Planning, Mineral Resources, and Population and Housing associated with the proposed project.

- Potential adverse impacts resulting from the proposed project were found to be less than significant in the following areas: Aesthetics, Air Quality, Cultural Resources, Geology and Soils, Hazards and Hazardous Materials, Hydrology and Water Quality, Noise, Public Services, and Utilities and Service Systems.

- Full implementation of the proposed mitigation measures included in this MND would reduce potential project-related adverse impacts on Biological Resources, Recreation, and Transportation to a less than significant level.

AVAILABILITY OF DOCUMENTS:
This Supplement to the MND for the Park Improvement Project, along with a copy of the original MND for this project, will be available throughout the 30-day public review period at the following locations:

Gold Fields District Headquarters
California Department of Parks and Recreation
7806 Folsom Auburn Road
Folsom, CA 95630

Northern Service Center
California Department of Parks and Recreation
One Capitol Mall - Suite 410
Sacramento, CA 95814

The Gold Discovery Museum
310 Back Street
Coloma, CA 95613

El Dorado County Public Library
345 Fair Lane
Placerville, CA 95667

DPR's website http://www.parks.ca.gov/?page_id=980

The Initial Study for this Mitigated Negative Declaration was available throughout the 30-day public review period at the reference desks of the El Dorado County Library. It was also available at the public information desks of DPR's Northern Service Center, Gold Fields District Headquarters offices and on DPR's website. The Notice of Determination for the Final MND for this project was filed on April 13, 2012 (SCH#2010032032). This Supplement will be appended to the Final Mitigated Negative Declaration and will be available by request, along with all supporting materials, at DPR's Northern Service Center.

Supplement Information

Corrections and additions included in this Supplement to the Park Improvement Project MND could result in substantial changes to the circumstances under which the project would be undertaken, new significant environmental effects, or a substantial increase in the severity of previously identified significant effects, as identified in CCR §15162, *et seq,* thereby requiring the preparation of a subsequent MND or EIR. However, these changes and potential effects can be identified with minor additions and changes to the previous MND; per CCR §15163(a)(1 & 2). This Supplement to an MND is sufficient to identify and address these conditions and revisions; therefore, preparation of a Subsequent MND is no longer required.

The following corrections, additions, and deletions will supplement and, where contradictory, supersede the applicable portions of the previously certified Final MND for this project. Additions and corrections are underlined; strikeout indicates a ~~deletion~~. In some cases, in areas where there were many individual changes, an entire paragraph or section was deleted and re-written, even if portions of the narrative remained the same in both versions. This was done for ease of presentation and public review. Minor punctuation, spelling, and grammatical corrections that contribute to ease of understanding, but have no significant impact on the content, have not been included in this document.

This Supplement, along with the previously adopted Final MND (SCH#2010032032), will now constitute the Final MND for the Park Improvement Project.

Pursuant to Section 21082.1 of the California Environmental Quality Act, the California Department of Parks and Recreation (DPR) has independently reviewed and analyzed the information contained in the Supplement to the Final MND for the proposed project and finds that this document reflects the independent judgment of DPR. DPR, as lead agency, also confirms that the project mitigation measures and project requirements detailed in these documents are feasible and will be implemented as stated in the Final MND with a less than significant impact on the environment.

5/14/13
Date

Stephanie Coleman
Environmental Coordinator
California Department of Parks & Recreation
Northern Service Center

5-14-13
Date

Kathy Amann
Assistant Deputy Director
Acquisition and Development Division

Chapter 2

The project would improve the main day use parking, old sawmill site, and the sawmill Gold Discovery site and the museum at Marshall Gold Discovery State Historic Park to enhance the visitor experience.

Main Day Use Area:

- Demolish and remove the current sawmill replica
    - Dispose of all timbers at a certified hazardous waste refuse site.
- Fill empty sawmill site with native soil from the surrounding area and salvaged concrete; then level area to the same grade level as surrounding terrain. Once work is completed, the area could be used for overflow parking or staging for Living History events.
- Excavate a trench approximately 20 inches wide and 36 inches deep to extend water and electrical lines approximately 2,000 lineal feet.
- Excavate up to 12 inches deep to remove vegetation and level a 60 foot by 40 foot wide area to construct a combination concrete and compacted aggregate base orientation plaza at the north end of the parking lot as a trailhead to the new sawmill interpretive exhibit. In addition,
    - Excavate 30 inches deep and 1.5 feet wide to install a drinking fountain,
    - Excavate three holes up to 24 inches deep by 12 inches wide to install an iron ranger, and a new orientation interpretive panel display.
    - Relocate existing boulders that lined the parking area for use elsewhere in the project site.
- Excavate approximately 12 inches deep to construct a new 130 foot long by 6 foot wide concrete path leading from the plaza toward Highway 49 and paint a new cross-walk across Highway 49 that meets the existing trail from the Museum.
- Resurface with a slurry seal and restripe the parking lot.
- Import aggregate base and install salvaged boulders and wood logs from the adjacent construction areas to define an informal gathering area. Use salvaged boulders to separate the parking spaces from pedestrian traffic south of the existing restroom.

New Heavy Timber Sawmill Interpretive Exhibit

- Excavate to remove approximately 2100 cubic yards of soil from a 100 foot long by 40 foot wide area to build the foundation and raceways of the sawmill;

- Construct a new sawmill similar to the current replica, with a 20 foot wide by 60 foot long footprint, 18 feet from base to the main deck and approximately 37 feet to the ridge, with a forebay of approximately 30 feet long,

New Sawmill Plaza

- Remove approximately 44 trees including black locus (non-native), foothill pines (native), cotton woods (native), blue oaks (native), and interior live Oaks (native) ranging from 2 to 48 inches dbh and one 60 inch dbh cotton wood.
- Excavate to plant new native trees to the east of the re-graded area to provide screening of the site from the river and install temporary above ground irrigation to support them until established.
- Install approximately 22,500 sq.ft. of compacted aggregate base around the sawmill for a plaza and walkways.
- Excavate approximately 200 linear feet up to 2 feet deep and pour footings to construct low rock faced walls approximately 30 inches high at each overlook.
- Install approximately 25 interpretive panels, on free-standing mounts, at several spots along the mill perimeter and at the edge of the plaza adjacent to the Wood Working Demonstration Area.
- Work will clear vegetation from an area roughly 35 feet wide by 135 feet long to the west of the sawmill plaza for a Wood Working Demonstration Area edged with wood.
- Trim 6800 sq.ft. of vegetation between the new sawmill and the river.
- Remove non-native vegetation and plant native species to improve an estimated 20,000 sq.ft. of riparian habitat around the park.

Museum Plaza

- All current plantings and paving at the front of the museum will be removed up to the raised porch and walls of the museum. Work will excavate to level area, install new native plantings; extend water and electrical lines up 250 linear feet; and pour approximately 11,000 square feet of concrete paving.
    - The new paving will be a combination of colored concrete, with broom finish, and colored concrete with seeded aggregate. In addition, there will be areas of compacted aggregate base adjacent to the museum building at the southwest end of the plaza.
- Construct two heavy timber trellis structures attached to the concrete:
    - Build one 16 foot by 23 foot trellis and one 16 foot by 18 foot trellis, both with weathered steel roofs, to the south west of the museum, each on either side of the concrete paving connecting to the existing ADA path.

- Construct two concrete ramps each approximately 60 feet long by 5 feet wide for ADA access at each end of the museum connecting the plaza to the raised porch.
- Excavate up to 30 inches in diameter and 20 feet in length to install a new drinking fountain next to one of the covered trellises and move an existing drinking fountain from the northeast end of the museum to near the northeast ramp.
- Stripe two new concrete ADA parking spaces in the existing parking lot with a clear path of travel to either of the new ramps.
- Excavate approximately 2.5 feet deep by 10 feet long by 1.5 feet wide to relocate the existing flag pole and install a new museum monument sign.
- Excavate approximately 3 feet deep and 1.5 feet wide, place sign posts in concrete footings to install an orientation map, with a topographic display and informational graphics in an open area.
- Excavate approximately 2 feet deep by 2 feet wide and 20 feet long to install a 30 inch high stone wall with three (3) interpretation panels.

Museum

- Remodel the men's and women's restroom by removing the plumbing and lighting fixtures, wall, floor and ceiling finishes; and HVAC systems. Then construct three new single accommodation restrooms with new fixtures, finishes, plumbing, and HVAC systems. Enlarge two existing doorways and build one new opening in the exterior wall of the museum to access the remodeled restrooms.
- Replace the existing storefront entrance to the museum.
- Remodel the Exhibit Hall with new flooring, ceiling finishes and new electrical systems; new HVAC and; new power and data connections to support new interpretive exhibits.
- Replace existing Exhibit Hall rear exit doors with new doors.
- Install new audio/visual equipment in the Theater.

The Department of Parks and Recreation proposes to make various improvements to Marshall Gold Discovery State Historic Park to enhance the visitor's educational and interpretive experience. The following is a brief summary of proposed work:

~~The improvements encompass three main areas of the park;~~

- ~~The Gold Discovery Museum on the east side of Highway 49 off Back Street,~~
  - ~~Upgrade the museum building~~
  - ~~Develop and install exhibits and media that reflect current day approaches to gold discovery and interpretation~~
- ~~The main parking lot / sawmill area~~
  - ~~Create a central orientation plaza~~

- ~~Replace the existing sawmill replica with a new heavy timber structure~~
- ~~Enhance the gold discovery site along with the open area southwest of the discovery site located between Highway 49 and The South Fork of the American River.~~

~~In conjunction with these improvements, upgrade the utility infrastructure; water lines, electrical service, and communication lines. As well as connect existing trails and a new trail system partially constructed under the ADA Trail System Improvement Project.~~

~~The following is a detailed description of each of the main areas of improvements.~~

~~*2.5.1 Gold Discovery Museum*~~

~~The Gold Discovery Museum consists of three parts, temporary storage facilities, entrance plaza, and interior museum building improvements.~~

~~A temporary storage facility would be constructed adjacent to the carriage exhibit approximately 200 feet south of the Gold Discovery Museum. The storage facility would:~~

- ~~Construct a concrete slab and electrical connection.~~
- ~~The proposed concrete slab would be 6-inches thick with a 12" x 12" thicken edge (footing).~~
- ~~The slab would be set on the existing grade with the edge penetrating 6-8 inches below grade.~~
- ~~The proposed electrical work would connect the storage area to the existing Park Sector Office electrical panel. A 3-4 inch PVC conduit would be bored (drilled) between facilities. An electrical pedestal would be installed next to the slab.~~

~~The entrance plaza involves demolition and reconstruction as well as connection to the trail system and to the town. The demolition work consists of:~~

- ~~Removal of all existing landscape features, structures, and ground vegetation. The larger trees and most of the parking lot would remain.~~
- ~~Built structures (i.e.; split-rail fence, flagpole, post mounted signs, etc.) would require excavation to remove footings.~~
- ~~Surface clearing should not exceed 12-inches in depth including removal or capping off some utility service lines.~~
- ~~Resurfacing the plaza in a new configuration with little ground penetration. The plaza surface proposed is a 4-inch concrete slab on grade and new ADA parking stalls butting the existing parking lot.~~
- ~~The flagpole and a new interpretative exhibit would be located near the front plaza entrance.~~
- ~~The electrical service is being upgraded, that requires a trench depth of 36-48 inches depth.~~
- ~~The new landscape improvements would consist of boxed trees and irrigation.~~

~~The museum building interior improvements consists of~~

- ~~Gutting of the exhibit hall, theater, and four rooms to the walls.~~
- ~~Removal of vinyl asbestos floor, ceiling tile, casework / shelving, and artifacts / objects. The artifacts and objects are to be stored in the temporary container units located immediately behind the transportation exhibit building during the renovation of the electrical service within the exhibit hall and theater.~~
- ~~In preparation of the new interpretative exhibits, the walls would be refinished. Most of the preparatory work for materials being installed in the museum would be outside the building, most likely on the west side or just outside the exit doors with storage of material on the west side of the building.~~

~~The APE (Area of Potential Effect) encompasses the renovation work area, potential impact areas, as well as the utility services alignments. The construction work area and possible staging are noted. All improvement work would be within the limits of the APE.~~

~~*2.5.2 Main Parking Lot, Orientation Plaza and Existing Sawmill*~~

~~The Main Parking Lot / Orientation Plaza consist of three parts; existing parking lot, new entrance plaza, and existing sawmill structure.~~

~~The demolition in the existing parking lot consists of:~~

- ~~Saw cutting the asphalt to a new configuration and removing approximately 4500 square feet (SF) of paving and aggregate base (4 inch AC over 8-12 inch AB). Approximately 50 percent of the parking spaces would be reconfigured that would require the painting out of existing lines.~~
- ~~The non-paved areas impacted by the improvements, the orientation plaza and sawmill, would include approximately 38,800 SF of clearing and grading, removal of 18 trees of which eight are within the existing sawmill pit.~~
- ~~The existing sawmill structure demolition work encompasses the dismantling and disposal of the structure, peripheral elements, and grading the site including backfilling the pit.~~

~~The proposed plaza improvement includes:~~

- ~~Approximately 3000 SF of paving that would require excavation to a depth of approximately 8-12 inches from existing grade. This area is located under the canopy of an existing oak. T~~
- ~~Installation of signposts, support footings for benches and a drinking fountain, and entry and entrance kiosk.~~
- ~~The area would receive upgrades to the infrastructure that would include trenching for a water line, and electrical service. Landscape, irrigation and a drinking fountain would also be installed under the canopy or adjacent to the oak tree.~~
- ~~The existing sawmill structure is located within a pit that is approximately 8 feet in~~

~~depth plus the structures footing that may be an addition 4-feet depth require the pit to be backfilled with approximately 1250 cubic yards of soil.~~

- ~~The mound used to support the viewing ramp would be used as part of the backfill resulting in a flat open space.~~

~~The APE (Area of Potential Effect) encompasses the clearing & grading, renovation work, as well as the utility services alignments in potential impact areas. The construction work area and possible staging areas are within the existing parking lot and grading area. All improvement work would be within the limits of the APE.~~

~~*2.5.3 Gold Discovery Site and Staging Area*~~

~~The Gold Discovery Site / Staging Area consist of two parts, the gold discovery site, and construction staging area.~~

~~The Gold Discovery Site demolition consists of~~

- ~~Clearing & grading surface vegetation. All existing trees would be protected unless it is determined the tree is a safety hazard.~~
- ~~Extensive clearing of vegetation foliage would occur on the riverbank adjacent the gold discovery area. The trees would remain but could require rising of canopy, vegetation root systems would also remain.~~
- ~~The Gold Discovery Site would include construction of a replica historic sawmill replica, and the area that the new sawmill replica would be constructed would require grading and creating three flat nodes.~~

~~For the Construction Staging area demolition would consist of~~

- ~~Clearing vegetation and grading, minor contouring to smooth roads and create a base for rock.~~
- ~~An equipment cleaning and washing area would be constructed at the entrance to the staging area, off Highway 49, to remove dirt from tires exiting the site.~~

~~The new sawmill exhibit area of direct impact is approximately 260-feet long x 30-feet wide. The structure would stand approximately 37-feet tall with a foundation penetrating a maximum depth of 12-feet (*total soil displacement by footing 25 cubic yards*). See mill replica design and drawings (Appendix D)~~

- ~~Panel post and split rail fence (approximately 120-feet) would be placed at various locations at the new sawmill replica.~~
- ~~The three display nodes would be placed at various locations that would include rock columns, similar to columns along Highway 49 that would support interpretive panels.~~
- ~~The footings for the columns would be approximately 36-inches square x 24-inches deep, and may be anchored to bedrock at a depth of between 10-12 feet.~~
- ~~The mill tailrace will be approximately 2-4 feet in depth.~~

- ~~A public address system would be placed within the site area.~~
- ~~The site area would also receive new utilities; water, electrical, and communications.~~

~~The APE encompasses the renovation work, as well as the utility services alignments in potential impact areas, and the construction staging area. All improvement work would be within the limits of the APE.~~

~~2.5.4 Trail System~~

~~The trail system consists of two sections, trail connecting the Gold Discovery Site to the orientation plaza, and the orientation plaza to Highway 49.~~

~~The demolition involved consists of~~

- ~~Grading and smoothing the trail route, excavating 6-inches for placement of aggregate base rock. The trail is 6-feet wide with shoulders of 1-3 feet wide creating a smooth transition to existing grades.~~
- ~~Cut and fill would not exceed 24-inches, watershed flows would not be disrupted, and crossings would be created as necessary.~~
- ~~Excess soil would be used within the proposed project area.~~

CHAPTER 3

SUMMARY OF MITIGATION MEASURES AND PROJECT REQUIREMENTS

The following mitigation measures and project requirements have been incorporated into the scope of work for the Park Improvement Project and will be fully implemented by DPR to avoid or minimize adverse environmental impacts identified in this MND. These mitigation measures and project requirements will be included in contract specifications and instructions to DPR personnel involved in implementing the project. No changes were necessary to the mitigation measures or project requirements based on the changes to the project description. As stated this project will have a less than significant impact on the environment with the inclusion of the following mitigation measures and project requirements into the project:

Aesthetics

Aesthetics SPR 1 – Shielding Material

- Installation of the storage containers will include appropriate shielding materials so they blend with the neighboring carriage exhibit and surrounding area.

Air Quality

Air SPR 1 – Increased Emissions of Fugitive Dust

- All construction areas (dirt/gravel roads and surrounding dirt/gravel area) will be watered at least twice daily during dry, dusty conditions.
- All trucks hauling soil, sand, or other loose materials on public roads will be covered or required to maintain at least two feet of freeboard.
- All construction-related equipment engines will be maintained in good condition, in proper tune (according to manufacturer's specifications), and in compliance with all State and federal requirements.
- Earth or other material that has been transported onto paved roadways by trucks, construction equipment, erosion, or other project-related activity will be promptly removed.

Biological Resources

Bio SPR 1 – Northwestern Pond Turtle

- Under the supervision of a DPR-approved biologist, animal burrows within the boundaries of the proposed project, as defined by a DPR-approved biologist, would be excavated by hand one week or less prior to the start of construction. If northwestern pond turtles were found in the burrows, they would be removed and released in a suitable location outside the proposed project site.

Bio SPR 2 – California Horned Lizard

- A DPR-approved biologist would conduct focused surveys during the active period (May – Aug) to determine if CALIFORNIA HORNED LIZARD (CHL) were present in suitable habitat within the proposed project site.
- If CHL were determined to be present in the proposed project site, a DPR-approved biologist would monitor all ground-disturbing activities that occur in suitable habitat for CHL.
- If CHL were determined to be present in the proposed project site, rocks, logs, or other habitat features moved during construction would only occur in the presence of the DPR-approved biologist and would be replaced in the same location or adjacent suitable habitat.
- If a CHL were found, work at that proposed project location that could put the lizard at risk would be temporarily suspended until the lizard moves of its own accord out of the proposed project site. No handling of CHL would occur unless DFG is consulted to determine capture and relocation methods.

Bio SPR 3 – Nesting Migratory Bird and Raptor Species

- No tree removal would occur between February 1 and September 31 to avoid nesting season for migratory birds and raptors and the bat maternity season (as specified in Standard Project Requirements Bio 4a, 4b, and 4c: Sensitive Bat Species).
- If other construction-related activities, including vegetation trimming, are conducted between March 1 and August 31, then surveys for nesting migratory bird and raptor species would be conducted by a DPR-approved biologist to identify active nests before construction activities occur in those months.
- Surveys for active raptor nests would be conducted within a 500-foot radius of the proposed project areas. The surveys would be conducted within 10 days prior to the beginning of construction at each work site. If nesting raptors are found, no construction would occur within a 500-foot radius of the nest tree between March 1 and August 31, or until the young have fledged and the young would no longer be impacted by proposed project activities (as determined by a DPR-approved biologist), or unless otherwise negotiated with the California Department of Fish and Game.
- Surveys for active migratory bird nests would be conducted within a 100-foot radius of the proposed project area 10 days prior to commencement of construction at each work site. If active nests are located, all construction activities within a 100-foot radius (or as negotiated with CDFG on a case-by-case basis, based upon species and location of nest) of the nest tree would be postponed until the end of the breeding season (August 31) or until the young have fledged and the young are no longer impacted by proposed project activities (as determined by a DPR-approved biologist).

Bio SPR 4 – Sensitive Bat Species

- No tree removal would occur between February 1 and September 31 to avoid the bat maternity season.
- If other work activities need to be conducted during the bat maternity season (i.e., February 1 through September 31), a bat specialist would conduct a survey for bats within 100 feet of the proposed project area. If bat roosts are observed, a buffer of 100 feet would be established around the roost in that no work activities would be allowed to occur until the breeding season is over.
- If work activities have to be conducted near known bat roosts, only those activities that the bat specialist determines could occur without significant impacts to bats would be conducted within 100 feet of the bat roost during the bat maternity season.

Bio SPR 5 – Special-status Plant Species

- A DPR-approved biologist would conduct surveys for special-status plant species throughout the proposed project impact area. Surveys would be conducted prior to proposed project implementation and when the plants were in a phenological stage conducive to positive identification (i.e., usually during the blooming period for the species).
- If special-status plant species are located within 25 feet of the proposed project area, the sites would be flagged by a DPR-approved biologist, fenced off prior to the start of construction activities, and completely avoided.

Bio SPR 6 – Sensitive Riparian Habitat

- All removal of riparian vegetation would be mitigated, per acre, at a ratio of 3:1 through restoration of equivalent riparian habitat in park locations nearby. Restoration would include the removal of non-native vegetation and the planting of native riparian species appropriate for the site. A Re-vegetation Plan would be prepared that includes the following elements:
    - Identification of areas suitable for mitigation efforts;
    - Identification of native species appropriate for the mitigation areas;
    - Requirement that plantings be grown from native seed collected on site or within the park in suitable habitat; and
    - A 5-year monitoring and maintenance program that includes follow-up plantings as necessary to achieve success criteria as outlined in the plan for mitigation areas.

- Where possible, all ground disturbing activities would occur outside of the root health zone (5 times diameter at breast height (dbh)) of any native tree with a dbh of 12 inches or greater. If these activities must occur within this zone then no roots with a

diameter of 2 inches or greater would be severed, unless authorized by a DPR-approved biologist.

Bio SPR 7 – Native Trees

- Plant 12 native trees to replace native trees over 10 dbh that will be removed due to construction.
  - 2 - Fremont cottonwood (*Populus fremontii*)
  - 4 - Interior live oak (*Quercus wislizenii*)
  - 4 - Ponderosa pine (*Pinus ponderosa*)
  - 1 - foothill pine (*Pinus sabiniana*)
  - 1 - blue oak (*Quercus douglasii*)

Cultural Resources

Cultural SPR 1 – Previously Undocumented Resources

- Prior to the start of construction, a locally knowledgeable archaeologist will review any ground disturbing activities that disturb soil to a depth of > 60 cm (24").
- If the specialist determines that buried archaeological deposits could be present, prior to the start of construction, a DPR-qualified Cultural Resource Specialist will prepare a research design, including appropriate trenching and/or pre-construction excavations (if necessary).
- In the event that previously undocumented cultural resources (including but not limited to dark soil containing shellfish, bone, flaked stone, groundstone, or deposits of historic trash) are encountered during proposed project construction by anyone, the state representative will temporarily halt at that specific location and direct contractors to other proposed project-related tasks. A DPR-qualified archaeologist will record and evaluate the find and work with state representative to implement avoidance, preservation, or recovery measures as appropriate prior to any work resuming at that specific location.
- If the DPR–qualified archaeologist determines that the find(s) are significant, a qualified historian, archaeologist, and/or Native American representative (if appropriate) will monitor all subsurface work including trenching, grading, and excavations in that area.

Cultural SPR 2 – Archaeological Monitoring of Ground Disturbing Work

- A DPR qualified archaeologist will monitor all ground disturbing phases of this proposed project at his/her discretion. Monitoring will include all sidewalk demolitions as well as ground preparation work required for constructing new paths of travel.
- If archaeological resources are discovered, all ground disturbing work at the location of the find will cease until the archaeologist designs and implements appropriate treatments in accordance with the Secretary of the Interiors Standards and Guidelines for archaeological resource protection.
- DPR staff and/or contractor will demolish the existing asphalt, brick or concrete sidewalks by hand to avoid impacts to currently unidentified resources.

Cultural SPR 3 – Human Remains Discovery

- In the event that human remains are discovered, work will cease immediately in the area of the find and the project manager/site supervisor will notify the appropriate DPR personnel. Any human remains and/or funerary objects will be left in place or returned to the point of discovery and covered with soil. The DPR Sector Superintendent (or authorized representative) will notify the County Coroner, in accordance with §7050.5 of the California Health and Safety Code, and the Native American Heritage Commission (or Tribal Representative). If a Native American monitor is on-site at the time of the discovery, the monitor will be responsible for notifying the appropriate Native American authorities.
- The local County Coroner will make the determination of whether the human bone is of Native American origin.
- If the Coroner determines the remains represent Native American interment, the NAHC in Sacramento ~~and/or tribe~~ will be consulted to identify the most likely descendants and appropriate disposition of the remains. Work will not resume in the area of the find until proper disposition is complete (PRC §5097.98). No human remains or funerary objects will be cleaned, photographed, analyzed, or removed from the site prior to determination.
- If it is determined the find indicates a sacred or religious site, the site will be avoided to the maximum extent practicable. Formal consultation with the State Historic Preservation Office and review by the Native American Heritage Commission and/or the appropriate Tribal Cultural representatives will occur as necessary to define additional site mitigation or future restrictions.

Geology and Soils

Geo SPR 1 – Erosion and Runoff Control

- Prior to the start of construction, Contractor will prepare a Water Pollution Control Plan (WPCP) for DPR approval that identifies the Best Management Practices to be used in all construction areas to reduce or eliminate the discharge of soil, surface water runoff, and pollutants during all excavation, grading, trenching, and repaving.
- If construction activities extend into the rainy season (October 15 to April 15) or if an un-seasonal storm is anticipated, the contractor will properly winterize the site by covering (tarping) any stockpiled materials or soils and by constructing silt fences, straw bale barriers, fiber rolls, or other structures around stockpiles and graded areas.

Hazards and Hazardous Materials

Hazmat SPR 1 – Hazardous Material Spills

- Prior to the start of construction, the contractor will clean all equipment before entering the proposed project site. Equipment will be cleaned and repaired (other than emergency repairs) outside the proposed project site boundaries. All contaminated water, sludge, spill residue, or other hazardous compounds will be contained and disposed of outside the boundaries of the site, at a lawfully permitted or authorized destination.

- Prior to the start of construction, the contractor will inspect all equipment for leaks and regularly inspect thereafter until equipment is removed from the proposed project site.
- Prior to the start the start of construction, Contractor will prepare a Spill Prevention and Response Plan (SPRP) as part of the Storm Water Pollution Prevention Plan (SWPPP) to provide protection to on-site workers, the public, and the environment from accidental leaks or spills of vehicle fluids or other potential contaminants. This plan will include (but not be limited to):
  - a map that delineates construction staging areas, where refueling, lubrication, and maintenance of equipment will occur
  - a list of items required in a spill kit on-site that will be maintained throughout the life of the proposed project
  - procedures for the proper storage, use, and disposal of any solvents or other chemicals used in the restoration process
  - identification of lawfully permitted or authorized disposal destinations outside of the proposed project site

Minimization Measure Hazmat 2 – Fire Safety

- Prior to the start of construction, the Project Contractor will develop a DPR-approved Fire Safety Plan. The plan will include the emergency calling procedures for both the Princeton Fire Department and the Willows Fire Department.
- Spark arrestors or turbo chargers (that eliminate sparks in exhaust) and fire extinguishers will be required for all heavy equipment.
- Construction crews will be required to park vehicles away from flammable material, such as dry grass or brush. At the end of each workday, heavy equipment will be parked over mineral soil, asphalt, or concrete to reduce the chance of fire.

Hydrology and Water Quality

Hydro SPR 1 – Water Quality

- Implementation of Standard Project Requirement Geo 1 providing BMPs to control erosion and runoff during ground-disturbing construction activities.
- The proposed project would be in compliance with all applicable water quality standards and waste discharge requirements as specified in the Central Valley Regional Water Quality Control Board Basin Plan for the area.
- Implementation of Standard Project Requirement Hazmat 1 will reduce impacts to water quality from possible pollutants (fuels and other vehicle fluids) released from vehicles and/or other equipment during construction.

Minimization Measure Hydro 2 – Parcel Closure During Flood Events

- DPR staff will close the Marshall Gold Discovery State Historic Park if the American River rises out of the channel and onto the parcel. The parcel will

remain closed during inundated periods. DPR staff will re-open the parcel when there are no safety risks to visitors

Noise

Noise SPR 1 – Noise Exposure

- Proposed project-related activities will generally be limited to the daylight hours, Monday through Friday. However, weekend work will be implemented to accelerate construction or address emergency or unforeseen circumstances. If weekend work is necessary, no work will occur on those days before 8:00 a.m. or after 6:00 p.m.
- Internal combustion engines used for any purpose in the proposed project areas will be equipped with a muffler of a type recommended by the manufacturer. Equipment and trucks used for proposed project-related activities will utilize DPR-approved noise control techniques (e.g., engine enclosures, acoustically attenuating shields or shrouds, intake silencers, ducts, etc.) whenever feasible and necessary.
- Stationary noise sources and staging areas will be located as far from visitors as possible. If they must be located near visitors, stationary noise sources will be muffled to the extent feasible, and/or where practicable, enclosed within temporary sheds.

Recreation

Recreation SPR 1 – Informational Signs

- Prior to proposed project completion, DPR or its contractor will install informational signs informing the public that hunting occurs on adjacent lands including the time of year hunting is allowed.

APPENDIX A

MITIGATION AND MONITORING PLAN

Marshall Gold Discovery State Historic Park
Park Improvement Project
Conditions with Mitigation Monitoring and Reporting Plan
May 2013

Condition or Mitigation Measure	Timing	Responsible for Implementing Mitigations	Responsible for Insuring Implementation	Required for Task to be Complete	Date Completed	Status/Comments
Aesthetics						
Installation of the storage containers will include appropriate shielding materials so they blend with the neighboring carriage exhibit and surrounding area.	Construction	State's Representative in coordination with the DPR Contractor	DPR Project Manager, State's Representative	Storage containers are shielded with wood or other material.		
Air Quality						
a) All construction areas (dirt/gravel roads and surrounding dirt/gravel area) will be watered at least twice daily during dry, dusty conditions.	Duration of Project	DPR Contractor	DPR construction Manager	Requirements incorporated into the final approved contract agreement and implemented during construction.		
b) All trucks hauling soil, sand, or other loose materials on public roads will be covered or required to maintain at least two feet of freeboard.						
c) All construction –related equipment engines will be maintained in proper tune (according to manufacturer's specifications), and in compliance with all state and federal requirements.						
d) Earth or other material that has been transported onto paved roadways by trucks, construction equipment, erosion, or other project-related activity will be promptly removed.						
Biological						
No tree removal between February 1 and September 31	Construction	State's Representative and DPR Contractor	DPR Construction and Project Manager's	All project activities are complete. No additional work will occur.		
If construction activities are scheduled from March 1 through August 31 during the raptor and migratory bird breeding season, the contractor shall conduct work only if surveys are completed within 10 days of the start of work.	Construction	State's Representative in coordination with the DPR Contractor and the DPR-approved biologist	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
If raptors and/or migratory birds are found the contractor shall stay out of any buffer zones established by the DPR-approved biologist. 500-feet for raptors and 100-feet for migratory birds.						
Prior to the start of work, the contractor shall prepare a water pollution control Plan that identifies Best Management Practices (BMPs) to be used in all construction areas to reduce or eliminate the discharge of soil, surface water runoff, and pollutants during all ground disturbing activities.	Construction	State's Representative in coordination with the DPR Contractor and the DPR-approved biologist	DPR Project Manager, State's Representative	The Water Pollution Control Plan has been approved and implemented.		
Northwestern Pond Turtle						
excavate by hand one week or less prior to the start of construction Northwestern Pond Turtle (animal burrows), if found remove, relocate and release in a suitable location outside the proposed project site.	prior to construction	State's Representative in coordination with DPR Approved Biologist and Archaeologist in coordinator with the DPR Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
California Horned Lizard						

A DPR-approved biologist conducts a focused surveys during the active period (May – Aug) to determine if CALIFORNIA HORNED LIZARD (CHL) were present in suitable habitat within the proposed project site.	prior to and during construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
If CHL were determined to be present in the proposed project site, a DPR-approved biologist would monitor all ground-disturbing activities that occur in suitable habitat for CHL.	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
If CHL were determined to be present in the proposed project site, rocks, logs, or other habitat features moved during construction would only occur in the presence of the DPR-approved biologist and would be replaced in the same location or adjacent suitable habitat.	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
If a CHL were found, work at that proposed project location that could put the lizard at risk would be temporarily suspended until the lizard moves of its own accord out of the proposed project site. No handling of CHL would occur unless DFG is consulted to determine capture and relocation methods.	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
Bats						
Conduct surveys for bats during the bat maternity season (i.e. February 1 through September 31) within 100 feet of the proposed project area. If bat roosts are observed, a buffer of 100 feet shall be established around the roost in that no work activities would be allowed to occur until the breeding season is over.	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
if work activities have to be conducted near known bat roosts, only those activities that the bat specialist determines could occur without significant impacts to bats would be conducted within 100 feet of the bat roost during the bat maternity season.	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
Special-status Plant Species						
A DPR-approved biologist would conduct surveys for special-status plant species throughout the proposed project impact area. Surveys would be conducted prior to proposed project implementation and when the plants were in a phenological stage conducive to positive identification (i.e., usually during the blooming period for the species).	Prior and During Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
If special-status plant species are located within 25 feet of the proposed project area, the sites would be flagged by a DPR-approved biologist, fenced off prior to the start of construction activities, and completely avoided.	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All project activities are complete. No additional work will occur.		
Sensitive Riparian Habitat						

All removal of riparian vegetation would be mitigated, per acre, at a ratio of 3:1 through restoration of equivalent riparian habitat in park locations nearby. Restoration would include the removal of non-native vegetation and the planting of native riparian species appropriate for the site.	During and post construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	Success criteria outlined within the Re-vegetation Plan has be achieved.		
•Monitor and maintenance for 5-yrs	Post construction	State's Representative	DPR Project Manager, State's Representative	Success criteria outlined within the Re-vegetation Plan has be achieved.		
Where possible, all ground disturbing activities would occur outside of the root health zone (5 times diameter at breast height (dbh)) of any native tree with a dbh of 12 inches or greater. If these activities must occur within this zone then no roots with a diameter of 2 inches or greater would be severed, unless authorized by a DPR-approved biologist	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	Construction activities are complete.		
Native Trees						
Plant 12 native trees to replace native trees over 10 dbh that will be removed due to construction activities: • 2 - Fremont cottonwood (Populus fremontii) • 4 - Interior live oak (Quercus wislizenii) • 4 - Ponderosa pine (Pinus ponderosa) • 1 - foothill pine (Pinus sabiniana) • 1 - blue oak (Quercus douglasii)	Construction	State's Representative in coordination with DPR Approved Biologist and the Contractor	DPR Project Manager, State's Representative	All trees are planted.		
Cultural Resources						
DPR Archaeologist will review any ground disturbing activities that disturb soil to a depth of ≥ 60 cm (24")	Design and during Construction	DPR Qualified Archaeologist and DPR Project Manager	DPR Project Manager with the DPR Qualified Archaeologist	All final plans and changes in the field are reviewed prior to construction.		
If the specialist determines that buried archaeological deposits could be present, prior to the start of construction, a DPR-qualified Cultural Resource Specialist will prepare a research design, including appropriate trenching and/or pre-construction excavations (if necessary).	Design and during Construction	DPR Qualified Archaeologist and DPR Project Manager	DPR Project Manager with the DPR Qualified Archaeologist	All final plans and changes in the field are reviewed prior to construction.		
Contractor shall notify the State's Representative to schedule required archaeological monitoring.	Construction	State's Representative in coordination with DPR Contractor and DPR Qualified Archaeologist	DPR Project Manager, State's Representative	DPR Archaeologist has monitored all work at the Archaeologist discretion		
Prior to the start of any on-site construction activities, any construction personnel involved with excavation shall attend an archaeology sensitivity training session conducted by the DPR archaeologist, up to 1 hour in length.	Construction	State's Representative in coordination with DPR Contractor and DPR Qualified Archaeologist	DPR Project Manager, State's Representative	All excavation is completed.		
Contractor/DPR staff shall coordinate with State's Representative to demolish the existing asphalt, brick or concrete sidewalks by hand.	Construction	State's Representative in coordination with DPR Contractor and DPR Qualified Archaeologist	DPR Project Manager, State's Representative	All demolition is completed.		
a. Discovery of Previously Unknown Cultural Resources:						

i. Should the Contractor, in the performance of this contract discover evidence of cultural resources (including but not limited to dark soil containing shell, bone, flaked stone, groundstone, or deposits of historic trash), the Contractor shall immediately cease work within 30 feet of the find and notify the State's Representative of the location and description of the findings. Contractor shall be directed to other project tasks. Contractor shall not work in this area until receipt of written approval from the State's Representative to resume activity in the area of the discovery.	Duration of Project	DPR Contractor and/or DPR-Approved Staff	DPR Construction Manager, Cultural Resource Specialist and/or DPR-Approved Staff	All project activities are completed.		
b. Discovery of Human Remains:						
i. If human remains are discovered, Contractor shall immediately halt work within 30 feet of the find and notify the State's Representative. Contractor shall be directed to other project tasks. Contractor shall not work in this area until receipt of written approval from the State's Representative to resume activity in the area of the discovery.						
Erosion and Runoff Control						
Prior to the start of construction, Contractor will prepare a Water Pollution Control Plan (WPCP) for DPR approval that identifies the Best Management Practices to be used in all construction areas to reduce or eliminate the discharge of soil, surface water runoff, and pollutants during all excavation, grading, trenching, and repaving.	Construction	DPR Contractor	Project Manager, State's Representative	Required information incorporated into final design drawings and specifications and approved contract agreement. Implemented until completion of construction.		
If construction activities extend into the rainy season (October 15 to April 15) or if an un-seasonal storm is anticipated, the contractor will properly winterize the site by covering (tarping) any stockpiled materials or soils and by constructing silt fences, straw bale barriers, fiber rolls, or other structures around stockpiles and graded areas.	Construction	DPR Contractor	Project Manager, State's Representative	Required information incorporated into final design drawings and specifications and approved contract agreement. Implemented until completion of construction.		
Hazardous Material Spills						
Prior to the start of construction, the contractor will clean all equipment before entering the proposed project site. Equipment will be cleaned and repaired (other than emergency repairs) outside the proposed project site boundaries. All contaminated water, sludge, spill residue, or other hazardous compounds will be contained and disposed of outside the boundaries of the site, at a lawfully permitted or authorized destination.	Prior and During Construction	DPR Contractor and State's Representative	State's Representative and DPR Construction Manager	All construction activities are complete.		
Prior to the start of construction, the contractor will inspect all equipment for leaks and regularly inspect thereafter until equipment is removed from the proposed project site.	Prior and During Construction	DPR Contractor and State's Representative	State's Representative and DPR Construction Manager	All construction activities are complete.		

Prior to the start the start of construction, Contractor will prepare a Spill Prevention and Response Plan (SPRP) as part of the Storm Water Pollution Prevention Plan (SWPPP) to provide protection to on-site workers, the public, and the environment from accidental leaks or spills of vehicle fluids or other potential contaminants. This plan will include (but not be limited to): □ a map that delineates construction staging areas, where refueling, lubrication, and maintenance of equipment will occur □ a list of items required in a spill kit on-site that will be maintained throughout the life of the proposed project □ procedures for the proper storage, use, and disposal of any solvents or other chemicals used in the restoration process □ identification of lawfully permitted or authorized disposal destinations outside of the proposed project site	Prior to construction	State's Representative and DPR Construction Manager	Project Manager, State's Representative	the Spill Prevention and Response Plan is approved by DPR staff.		
Prior to the start of construction, the Project Contractor will develop a DPR-approved Fire Safety Plan. The plan will include the emergency calling procedures for both the Princeton Fire Department and the Willows Fire Department.	prior to construction	State's Representative and DPR Construction Manager	Project Manager, State's Representative	The Fire Safety Plan is approved by DPR staff.		
Spark arrestors or turbo chargers (that eliminate sparks in exhaust) and fire extinguishers will be required for all heavy equipment.	Construction	State's Representative and DPR Construction Manager	Project Manager, State's Representative	Construction activities are complete.		
Construction crews will be required to park vehicles away from flammable material, such as dry grass or brush. At the end of each workday, heavy equipment will be parked over mineral soil, asphalt, or concrete to reduce the chance of fire.	Construction	State's Representative and DPR Construction Manager	Project Manager, State's Representative	Construction activities are complete.		
Parcel Closure During Flood Events						
DPR staff will close the Marshall Gold Discovery State Historic Park if the American River rises out of the channel and onto the parcel. The parcel will remain closed during inundated periods. DPR staff will re-open the parcel when there are no safety risks to visitors	Construction and Post Construction	DPR District Staff	DPR District Staff	on going.		
Noise						
Construction work will occur during normal working hours during weekdays. If weekend work is necessary, no work will occur on those days before 8:00 a.m. or after 6:00 p.m.	Construction	DPR Contractor	DPR Project Manager, State's Representative	Required information incorporated into final specifications and approved contract agreement. Implemented until completion of construction.		
Stationary noise sources and staging areas will be located as far from visitors as possible. If they must be located near visitors, stationary noise sources will be muffled to the extent feasible, and/or where practicable, enclosed within temporary sheds.	Construction	DPR Contractor	DPR Project Manager, State's Representative	Construction Activities are complete.		
Informational Signs						
Prior to proposed project completion, DPR or its contractor will install informational signs informing the public that hunting occurs on adjacent lands including the time of year hunting is allowed.	Construction	DPR Staff	DPR District Staff	Signs are posted.		