Section A. River Parkways Grant Program

Application Form

| | T | | | |
|---|--|-----------------|-----------------------|--------------------------|
| Project Name | Estimated Date of Completion: <u>January 2017</u> | | | |
| River Bank Stabilization on the South Fork of the American River at Henningsen Lotus Park | Grant Amount Requested: \$ <u>500,000.00</u> | | | |
| | Estimated Total Project Cost: \$500,00 | | | 00.00 |
| | (State Grant and other funds and In-Kind donations) | | | |
| APPLICANT (with mailing address) | | | Nearest City/Town | |
| Check one: | Placerville | | | |
| Non-Profit | Project Address (or nearest cross street): Henningsen Lotus Park | | | |
| Local Public Agency | 950 Lotus Road Lotus, California | | | |
| State Agency | | | | |
| | Senate Dist. | 1 | Assembly Dist. 4/5 | US Congressional Dist. 4 |
| Applicant's Representative Authorized in Resolution | (Signature re | quired at botto | m of this page) | |
| Name: Larry Combs | Title: Chief A | dministrative (| <u>Dfficer</u> | |
| Phone: 530 621-5567 | Email Address: | larry.combs@e | edcgov.us | |
| Project Manager - Person with day to day responsibility for project (i | if different from a | uthorized rep | presentative) | |
| Name: <u>Vickie Sanders</u> | Title: Parks Mar | nager | | |
| Phone: 530 621-7538 | Email Address: | | | |
| Brief Description of Project Henningsen Lotus Park (HLP) users seeking access to the South Fork of the Ame | erican River have | | Latitude | Longitude |
| degraded the riverbank and riparian zone at sixteen locations between the bea upper paved trail. Denuded riparian vegetation and soil erosion are evident at | ach area and the | 38 | .803874 N | 120.908814 W |
| | | Coordinates R | epresent: | |
| Proposed restoration of these areas would include six locations being closed to pedestrian traffic and redirecting access with boulders, planting and signage. The remaining ten would be <u>Decimal Degrees</u> | | | ees | |
| improved through boulder and cobble terracing and planting of riparian specie | es on either side of | Coordinates D | etermined Using: | |
| the access point. Bioengineered log cribwalls are also proposed at two of the | f the larger areas. USGS Quad Map | | | |
| | | | | |
| Name of River, Stream or Creek: South Fork of the American River | | | | |
| Two (2) statutory | х | Public Acces | is | |
| Habitat | x | Project Type | :_ | |
| Flood Management | | Created: | | |
| Conversion | | Restored:_ | | |
| Conservation & Interpretive Enhancement | nt | Acquired_ | | |
| I certify that the information contained in this project application, inclu- | uding required att | achments, is c | omplete and accurate. | 11. |
| mart | 7 | | | alilano |
| Signed: | | | | 1112015 |
| Applicant's Authorized Representative as shown | n in Resolution | | | Date |
| | | | | yes, attach letter of |
| Print Name: Larry Combs Print Title | le: Chief Administrative Officer uthorized representative. | | | |

 \bigcirc

15-1254 C 1 of 55

SECTION B: ONE-PAGE PROJECT SUMMARY

A. Summarize how the project meets the program goals. Include a brief description of current site conditions, project activities, community and government agency partnerships, and benefits of the proposed project.

Trailblazing by pedestrians seeking access to the river has degraded the riverbank and riparian zone at sixteen locations between the beach area and the upper paved trail at Henningsen Lotus Park (HLP). These paths range in width from under 3 feet to over 10 feet and traverse between 10 and 20 vertical feet of river bank. Denuded riparian vegetation and soil erosion are in evidence at all sites.

Two primary techniques are proposed for restoration of these areas: 1) Six locations will be closed to pedestrian traffic and the remaining ten would be improved through boulder and cobble terracing and planting of riparian species on either side of the access point (see figure below). Bioengineered log cribwalls are also proposed at two of the larger areas. Restoration sites are classified as "small", "medium" and "large". Small sites would be approximately three to four feet wide. Medium sites would be four to six feet wide, and large sites would be six to ten feet wide.

B. Summarize major components of the project.

| Sample Project Categories | Requested Grant Funds | Other Funding Source(s) | Total Cost |
|-----------------------------------|-----------------------------|-------------------------------|------------|
| Project management/administration | 26,000 | N/A | 26,000 |
| Planning, design, & permitting | 161,000 | N/A | 161,000 |
| Implementation/construction | 280,375 | N/A | 280,375 |
| Land acquisition | N/A | N/A | N/A |
| Plant/Tree establishment | 32,625 | N/A | 32,625 |
| Contingency | N/A | N/A | N/A |
| Total | 500,000 | | 500,000 |

C. Summarize any public access components of the project. If the project is part of a larger parkway plan, summarize how the project is incorporated into this parkway plan. If the project can be accessed by biking, walking, or public transportation, please explain.

Currently there is public "walking" access to the river bank along the entire length of the park, but because of the continual use there is a break-down of the river bank. This project would restore all of the sites, but redirect users to sites with more stability.

15-1254 C 2 of 55

CALIFORNIA RIVER PARKWAYS GRANT PROGRAM

Grant Application submitted by the County of El Dorado, Parks Division

Section B: One-Page Project Summary

HLP SFAR Project Descriptions

Trailblazing by pedestrians seeking access to the river has degraded the riverbank and riparian zone at sixteen locations between the beach area and the upper paved trail at Henningsen Lotus Park (HLP). These paths range in width from under 3 feet to over 10 feet and traverse between 10 and 20 vertical feet of river bank. Denuded riparian vegetation and soil erosion are in evidence at all sites.

Two primary techniques are proposed for restoration of these areas: 1) Six locations will be closed to pedestrian traffic and the remaining ten would be improved through boulder and cobble terracing and planting of riparian species on either side of the access point (see figure below). Bioengineered log cribwalls are also proposed at two of the larger areas. Restoration sites are classified as "small", "medium" and "large". Small sites would be approximately three to four feet wide. Medium sites would be four to six feet wide, and large sites would be six to ten feet wide.

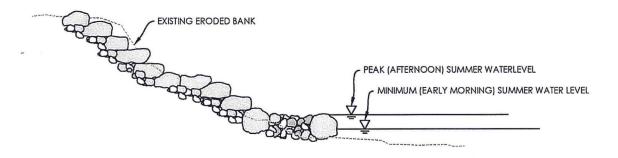


Figure 1 — Erosion Repair / Public Access Point

A priority has been defined for each site based upon the magnitude of the disturbance and the potential effect of improvements. Priorities have been assigned as A, B or C with A being a high priority and C being a lower priority. Priority is generally based upon size and erosion potential, so large sites and sites with a high potential for erosion received a higher priority than smaller and/or more stable sites. Closures have generally been given a low priority because improvements to adjacent sites should be done prior to closures or the closures are unlikely to be successful. The paved trail extension and terraced improvements to the picnic area have also been given a high priority because these projects will have significant recreational value and also significant impact on pedestrian circulation.

3

15-1254 C 3 of 55

CALIFORNIA RIVER PARKWAYS GRANT PROGRAM

Grant Application submitted by the County of El Dorado, Parks Division

C-1 Project Requirements and Statutory Conditions

- A. Habitat
 - 1. <u>Describe the current hydrologic conditions</u>. Include information on type of stream (perennial, intermittent, ephemeral), channel configuration (natural, channelized, culverted etc) and factors affecting stream function such as watership development, land use changes, dams or other artificial constrictions.

Currently the riverbank of the South Fork of the American River at Henningsen Lotus Park has degraded with the continual use of park users seeking access to the river. Vegetation and soil erosion is evident at the various sites along the river bank. The river reach to the affected area is low due to the drought and the reduced scheduled water releases from the dam.

- <u>Describe how the project will protect, restore, enhance, or preserve a riparian</u> <u>environment using either common or scientific to identify elements.</u> The project will restore the riparian zone by stabilizing the already established river bank, which is elevated at various sites.
- 3. <u>Describe the planned stream restoration or watershed management techniques,</u> <u>including any biotechnical methods or other innovative methods intended.</u> Two primary techniques are proposed for restoration of these areas: 1) Six locations will be closed to pedestrian traffic and the remaining ten would be improved through boulder and cobble terracing and planting of riparian species on either side of the access point (see figure below). Bioengineered log cribwalls are also proposed at two of the larger areas. Restoration sites are classified as "small", "medium" and "large". Small sites would be approximately three to four feet wide. Medium sites would be four to six feet wide, and large sites would be six to ten feet wide.

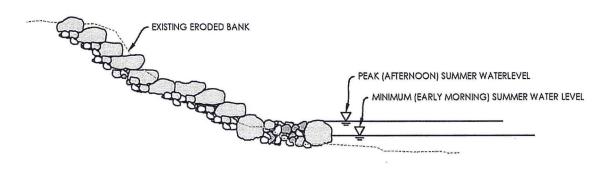


Figure 1 — Erosion Repair / Public Access Point

15-1254 C 4 of 55

4. <u>Describe specific riverine or riparian elements that will be established with the</u> project.

The restoration of the bank will re-establish the natural drainage and mitigate potential sedimentation generation. The re-vegetating of the bank sites, replacing invasive species with native species, will stabilize the soil and reduce the potential for erosion.

5. If the project includes restoration or re-establishment of wetlands habitat, explain plans to employ habitat management strategies designed to reduce mosquito production.

This project does to include any restoration or re-establishment of wetlands habitat

6. <u>Is there an imminent threat to the habitat in the immediate vicinity that will preclude</u> <u>or conflict with the maintenance</u>

None at this time.

- C. Recreation
- <u>Describe partnerships with nonprofit groups, citizens' groups, non-governmental organizations public or governmental agencies and their corresponding roles.</u> Henningsen Lotus Park is unique in that it has a river "beach" area that accents its desirability as a recreational area for the various water sport enthusiasts. The river bank runs the entire length of the park, so it affords users of the park many points of access to the river. Trailblazing to access the river has caused the erosion of the river bank and the disruption of vegetation making it unsafe at many sites.</u>

The goals and objectives for the park have always been to provide multiple recreational opportunities while protecting the natural resources of the South Fork of the American River. This project will reduce the degradation of the river bank, while protecting the natural resource so that it remains a natural playground for the many park users.

C-2. Community, Nonprofit, and Government Agency support and Collaboration

A. Collaboration with Organizations

1. <u>Describe partnerships with nonprofit groups, citizens' groups, non-governmental organizations and public or governmental agencies and their corresponding roles.</u> The restoration project would be monitored and managed by the El Dorado County Facilities Division and Parks Division. Other agency collaborations would include the California Conservation Corp (CCC) and UCCE Master Gardener of El Dorado County. The County would request the CCC provide corp members to work on the river bank project since it falls within their fundamental guidelines of looking for work conserving or enhancing the state's natural resources. This would also be an excellent opportunity for the CCC corp members to increase their skills. The collaboration with the UCCE Master Gardener of El Dorado County would provide the county with the knowledge and guidelines for vegetation species and placement in the restorative bank area sites. Their commitment to extend research based

Page | 2

15-1254 C 5 of 55

knowledge and information on horticulture and sustainable landscape practices would be invaluable to the project.

2. <u>How does the project incorporate participation of local agencies, nonprofits, non-</u> governmental organizations and citizens' groups in project planning, design, or implementation?

This project was identified in the Master Plan for Henningsen Lotus Park, which was vetted through the community, including local agencies, non-profits, nongovernmental organizations and citizens' groups, at multiple points of the plan development. The County's Facilities Division will be the local agency that the Parks Division will work with in the planning and implementation of the restoration. Parks Division will update the Parks and Recreation Commission as to the progress.

3. <u>Are there relevant local land use, watershed, water management or general plans</u> <u>that cover the project?</u>

The El Dorado County River Management Plan identifies that the intent and purpose of the plan is to manage the south Fork of the American River so that the existing high environmental quality is maintained and the desirable social characteristics of the river corridor are preserved.

B. Community Support and Involvement

- <u>Describe community involvement and support for the project, including watershed</u> <u>groups, appropriate business groups, landowners, local governments, environmental</u> <u>groups, technical experts, neighborhood associations and individual citizens, etc.</u> The County of El Dorado, Parks and Recreation Commission supports the river bank project and has recommends the County Board of Supervisors approve this grant application for river bank stabilization as it was outlined in the Master Plan for Henningsen Lotus Park
- <u>Has there been any opposition to the project? If so, explain the nature of the concerns and how they were addressed.</u>
 No opposition to the project.
- 3. <u>Discuss any demographic, social, and/or cultural issues that are important to the</u> <u>local community and that will influence design, implementation, and maintenance of</u> <u>the project</u>.

There are no local community issues that would influence the river bank reconstruction design.

4. <u>How does the project promote and/or encourage involvement or use from diverse</u> <u>cultural backgrounds and incomes</u>?

The project will provide safer access to the river bank for all users of the park.

 <u>Describe how the project will use state or local youth employment programs and</u> <u>how the youth employment element will be integrated into the program.</u> The Facilities Division of the County of El Dorado would submit a project plan for the river bank stabilization to the California Conservation Corps, to utilize the youth in



15-1254 C 6 of 55

the project at various stages on the stabilization and revegetation of the riparian zone.

6. <u>Explain plans to keep the community informed and involved in the project.</u> Updates to the project will be posted on the County's website as well as on the County's parks and trails reporting website. Monthly updates will also be presented to the County's Parks and Recreation Commission.

C. Project Need

- <u>Describe any compelling reason(s) the grant review team should select the project.</u> The need for stabilizing the bank to mitigate further erosion as well as minimizing safety issues within the current river bank terrain has been identified as a priority in the CEQA phase being prepared. Upon completion of this section, the next phase of the project at Henningsen Lotus Park would connect the river bank area with an established multi-use trail that continues on from the park to the historical township of Coloma, California.
- 2. <u>Is the project a continuation of previously completed work, and if so, is the next</u> phase crucial for the continued success of the prior work? If the previous work was funded by Agency, list the project name and year the grant was awarded. This project is not a continuation of previously completed work.

D. Local and Regional Impacts

- <u>What is the expected benefit for the local community?</u> Henningsen Lotus Park has a continued recreational and economic benefit to the community. The tourism in the area is year around, with increased influx in the summer months due largely to the river access at the park. The river bank restoration project will enhance the desirability of accessing the river at the park.
- 2. <u>Will this project encourage tourism in the area? If so, describe how.</u> Currently the river and the Henningsen Lotus Park are a large attraction throughout the year. This project will protect the river bank for many years of ongoing enjoyment for the area.
- 3. (Acquisitions only) N/A
- 4. (Acquisitions only) N/A

C-3: Public Access, Location, and Transportation

A. Describe if and how the public will access the project site.

The public will continue to have access to the project area as this is a key component of Henningsen Lotus Park and the recreational value of the area.

B. <u>Has the issue of competing interests between public access and ecological protection</u> <u>been addressed? Explain.</u>

This project would address the issues between public access and ecological protection by restoring the river bank and stabilizing the area with native plants and trees. The public accesses the waterway without regard to the ecological effects. It is our job to restore and direct them to areas that can accommodate the use.

15-1254 C 7 of 55

- C. <u>Describe the project location and the populations to be served by the project. Address</u> <u>local, regional and statewide uses, if appropriate. Identify new populations served.</u> The population served by this project area is diverse, depending upon the season. During the Fall through Spring season's the population utilizing the park is local and somewhat regional. Most common use of the park during this time is local sports leagues and local residents. During the Summer seasons, the park use by population can reach to statewide due to the increased use of the river by local river outfitters who provide river trips.
- D. <u>Describe how the project is in, or close to, population centers and the various</u> <u>transportation methods that are available for the public to access the project, including</u> <u>public transportation, non-motorized trails or routes of travel and other access routes.</u> The park is located in a rural area of which there is no public transportation. The common mode of transportation is by private car.
- E. <u>How will the project impact local/regional transportation, air pollution, or auto</u> <u>emissions? Will the project be used as, or contribute to, an alternative transportation</u> <u>mode? Describe.</u>

There would be no impact to local/regional transportation, air pollution, or auto emissions associated with this project.

- F. <u>If applicable, is the project a part of a SB 375 Sustainable Communities Strategy or</u> <u>Alternative Planning Scenario developed by a regional Council of Governments?</u> This project is not a part of a SB 375 Sustainable Communities Strategy or Alternative Planning Scenario.
- G. <u>Describe any limits such as parking, hours of operation, available staffing, user fees,</u> <u>seasonal restrictions or other ecological considerations.</u> The only limitations identified would be that funding is such that the park is staffed only from April through September.

C-4 Organizational Capacity and Project Sustainability

A. Organizational Capacity:

- <u>Describe the applicant's experience in completing this type of project or similar projects</u> within the scheduled timeframe and within the allowable budget. The county completed projects on the Rubicon Trail totaling over \$7 million. These projects were to stabilize the trail and protect the waters of the state. Grant deadlines have been met and projects have been within budget. Communication with the granting agency is critical to a successful project.
- 2. <u>Is the expertise needed for the project readily available within the applicant's</u> <u>organization? If not, what are the plans to acquire it? List other potential expertise</u> <u>needed and the persons/organizations being considered.</u>

The county has a Facilities Group which has maintenance workers who provide all the maintenance and improvements at park locations. The Transportation Division of the



15-1254 C 8 of 55

Community Development Agency has Civil Engineers that can assist if there are questions or issues.

3. <u>Identify and describe steps to be taken and the work to be completed within the first</u> year following the award of grant funds.

Following the grant award, the county would apply for the permits required for the project, develop the SWPPP for the project, coordinate with the California Conservation Corps and work on project schedule. Coordinate materials and work with the Master Gardner on native plant selection.

- 4. <u>Explain methods used for estimating costs and in what way the project is cost-effective.</u> Cost estimates for the project was donated by the consultant working on the Conceptual Plan for Henningsen Lotus Park. This plan was adopted by the Board of Supervisors and the consultant is doing the CEQA analysis.
- B. Monitoring, Operations and Maintenance:
- <u>Describe data to be collected within the project performance period (grant period) to</u> <u>help determine whether the project has been effective and successful.</u>
 Project effectiveness will be monitored and data collected by the amount of people that the restored areas can accommodate which will increase capacity. At this time the beach area is overcrowded and the river banks that the public is accessing are dangerous and eroding from use. Staff will monitor the sites for erosion and install other measures as needed.
- <u>Describe how long-term monitoring, operations and maintenance will be provided over</u> <u>the time period required by the grant including plan for long-term maintenance,</u> <u>performance of long-term maintenance and a description of the experiences of those</u> maintaining this type of project.

The river bank is located in El Dorado Counties largest Regional Park. Facilities, Grounds Maintenance staff are onsite three days a week. They provide maintenance and monitoring of the park including but not limited to the river bank, trails, ballfields, parking lots, restroom, pavilion and gazebo. Funding for the maintenance staff is offset by fees collected at the park and by the county general fund. They are very experience with this location and the history of the park as it was developed. These sites will become part of the routine maintenance until the vegetation takes hold. Once stable and established these locations will be monitored like the rest of the park.

3. *If the project is easily affected by external events, what is planned within the project design to ensure the sustainability of the project.*

The project will be designed and installed with weather and floods in mind. The use of boulders and log cribbing will be used to stabilize the river banks to ensure sustainability.

- 4. <u>Is your project in an area designated as at risk to rising sea levels?</u> The project is not in area at risk for rising sea levels.
- 5. How will the project be protected from vandalism and deterioration?

15-1254 C 9 of 55

This park is located in the Coloma/Lotus Valley. This community is very active in the park and engaged. Members of the community monitor the park and report any suspicious activity. Because the community rafts and kayaks the waters, the area is also monitored from the river side of the park which provides another prospective to the project and monitoring for deterioration.

6. <u>What local organizations or partnerships will be assisting with ongoing operations and</u> <u>maintenance of the river parkway or urban stream?</u>

The ongoing operations and maintenance of the river parkway will continue to be the County Parks Division and Facilities Division. Numerous volunteer groups will complete river and park clean-up and assist in minor ball field projects within the park.

C-5 Project Readiness

- A. For development projects, explain the status and timeline of each of the following:
 - <u>Preliminary plans</u> All preliminary plans have been completed and the project is ready to proceed.
 - <u>CEQA compliance</u> The CEQA phase is near completion. A draft has been presented for review. CEQA will be completed by the start of the project.
 - <u>Commitments from project partners, etc</u> Discussions have begun with Facilities and the consultant on the project to develop timelines and assess construction requirements.
 - Native Plant List -
 - Land access/tenure agreements N/A
 - <u>Required permits or reviews by other agencies</u> Required permits will be obtained in the appropriate timeline
 - <u>Project mitigation requirements</u> Mitigation requirements and any associated permits will be addressed.
 - <u>Property restrictions and/or encumbrances</u> There are no property restrictions associated with this project.
- B. <u>Describe any possible factors which could significantly delay the implementation and/or completion of the project and how these fac tors will be addressed.</u>
 The only factor that could possibly delay the project would be inclement weather.
 Appropriate measures would be taken to protect the project site and work would continue when the conditions were favorable.
- C. <u>Are there any toxins on the property? Has a Phase I or Phase II Toxic Report been done?</u> <u>If so, address timing of clean-up, type of toxins and delays to project construction that</u> <u>might result from toxins on the site.</u>

There are no known toxins on the property.

 D. <u>Are there other impediments on the project site</u> There are overhead utilities at Henningsen Lotus Park, but do not impede this project in anyway.

15-1254 C 10 of 55

C-6 Additional Project Characteristics and Multiple Benefits

- A. <u>Additional benefits and statutory requirements:</u> None other than reported in Section C-1
- B. Environmental benefits:
 - 1. <u>The State may consider the potential of projects that beneficially reduce or</u> <u>sequester greenhouse gas emissions. If the project will be used to reduce or</u> <u>sequester greenhouse gas emissions, explain how.</u>

The proposed project is not relative to the reduction or sequestering of greenhouse gas emissions.

2. <u>Will the project specifically increase adaptability to climate change, including sea</u> <u>level rise?</u>

This project will not increase adaptability to climate change and is not related to any sea level rise.

- <u>Will the project use recycled or reclaimed water? Will the project replace irrigated</u> <u>landscaping with water conserving, local, native plants?</u> The project will include the replacement of local, native plants in the river bank restoration and the various plants and trees have been identified in the project.
- 4. <u>Will the project utilize recycled-content materials? List the recycled-content</u> <u>materials to be used.</u>

The project will include the use of local native rock, gravel and dirt.

- <u>What, if any, energy efficiency measures will be incorporated into the project?</u> There are no energy efficiency measures identified in the river bank restoration project.
- C. <u>Regional landscape use:</u>
 - <u>Within the project service area, what is the current use of river frontage?</u> The river frontage area within the project service is a beach area accessible to all park and river users.
 - Estimate the acreage of park and open-space areas currently found within the community where the project is located. How much acreage will this project add? Henningsen Lotus Park encompasses 18.69 acres. There will be no additional acreage added to the park with this project.
- D. Public Health:
 - 1. <u>Describe how the project may increase physical activity levels and fitness among</u> <u>users.</u>

The river bank area at Henningsen Lotus Park is used extensively by the local community and tourist to the area. The project will improve the environment of the riverbank and riparian site area, but provide no increase to the potential physical activity levels or fitness of the users.

15-1254 C 11 of 55

- <u>How will appropriate security and safety be provided?</u>
 The park is monitored by the County's Sheriff's Department through scheduled "drive through" conducted by deputies on patrol.
- 3. <u>Describe efforts to attract people to use the parkway? What ongoing efforts will be</u> <u>used to maintain and develop usage?</u>

Within the park, there are several facilities that can be rented to users for functions. This increases the use of the park and surrounding riverbank area. The county provides rental information on its website and park staff encourage users to utilize the multiple game fields.

- <u>Describe any public health agencies or groups involved in developing or promoting</u> <u>the project and any other public health benefits provided by the project.</u> Since this is a riverbank restoration project, public health agencies or groups have not been contacted regarding the development or promotion of the project.
- C-7 Other Funding Sources and In-Kind Services
 - A. <u>Identify the source and amount of funds already committed to the project and expected</u> <u>timing of funds.</u>

Fifty Thousand dollars has been identified from the County's General Fund towards this project for FY2015-2016

B. <u>Indicate any other grants where funding has been requested, the requested amount, and</u> <u>the expected notification date.</u>

Currently there is no other grant funding being requested for this project.

C. <u>What other options are available to meet the project objectives if this grant request is</u> <u>not successful?</u>

County will continue to budget for project as funds allow, which could take up to twenty years.

What is the contingency plan for implementation if the project is over budget? Because project is broken down into phases, the County we complete each phase as funding was available.

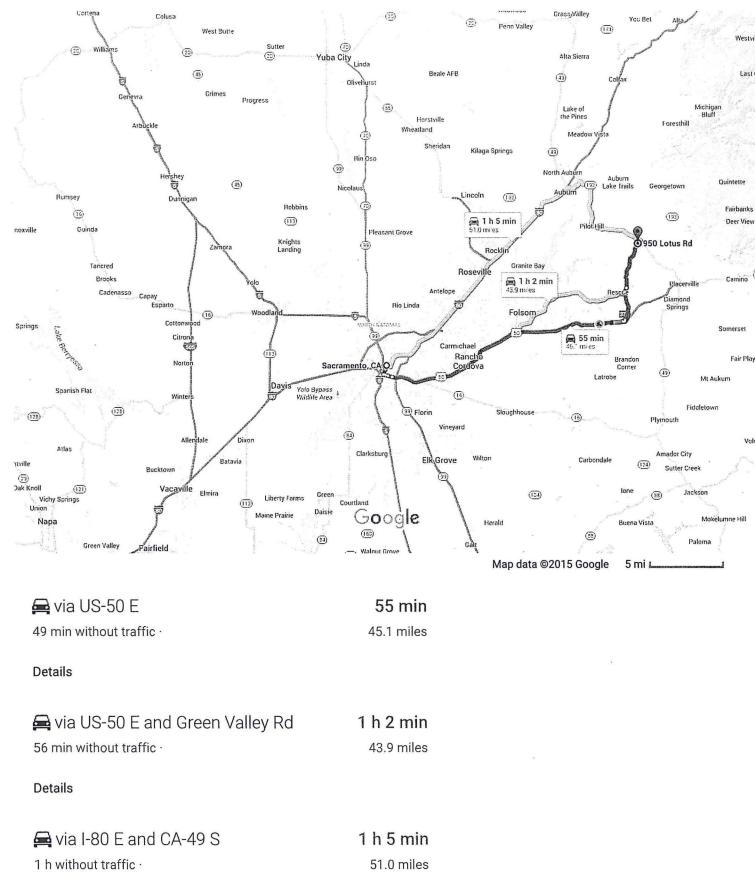
15-1254 C 12 of 55

G**o**og**le** Maps

Sacramento, CA to 950 Lotus Rd, Lotus, CA 95651

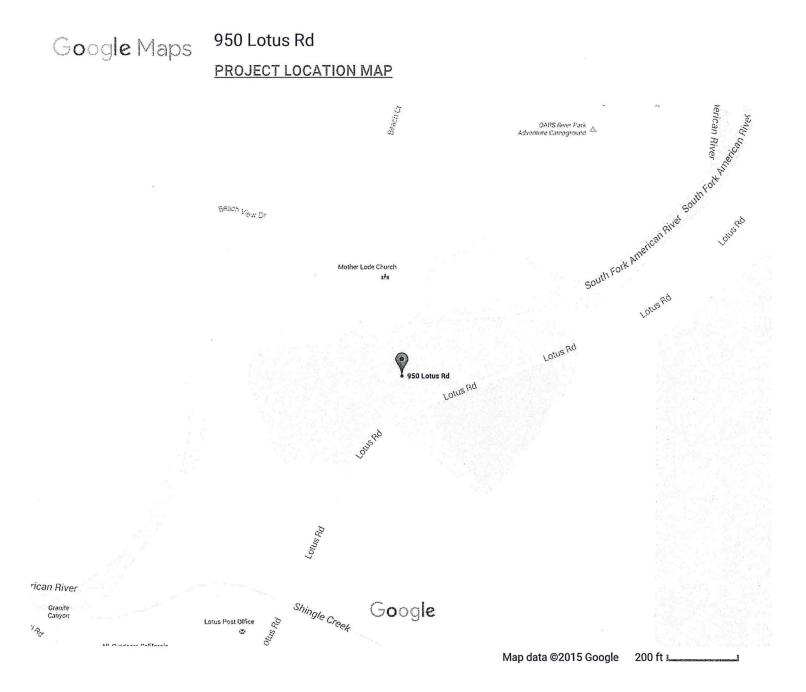
Drive 45.1 miles, 55 min

PROJECT LOCATION MAP



https://www.google.com/maps/dir/Sacramento,+CA/950+Lotus+Rd,+Lotus,+CA+95651/@38,7392816,-121.4959489,10z/data=!3m1!4b1!4m13!4m12!1m5!1m1!... 1/2

15-1254 C 13 of 55



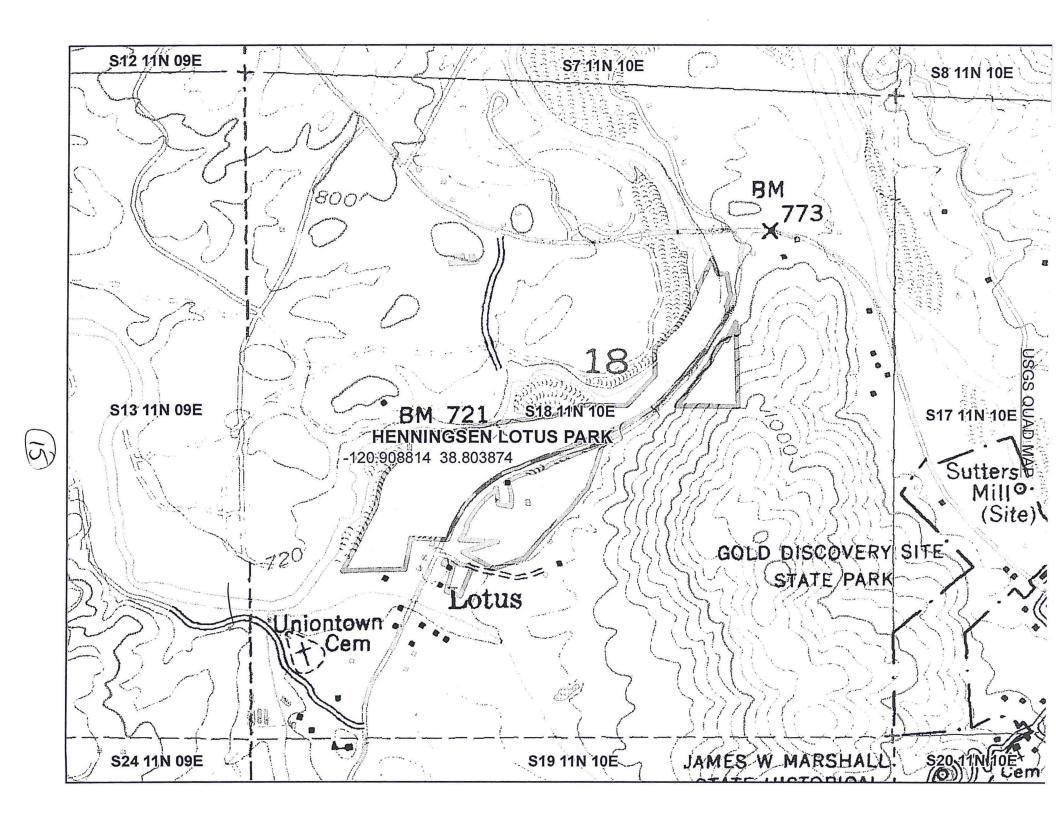
950 Lotus Rd Coloma, CA 95651





Explore this area Search nearby

15-1254 C 14 of 55



15-1254 C 15 of 55

CALIFORNIA RIVER PARKWAYS GRANT PROGRAM

Grant Application submitted by the County of El Dorado, Parks Division

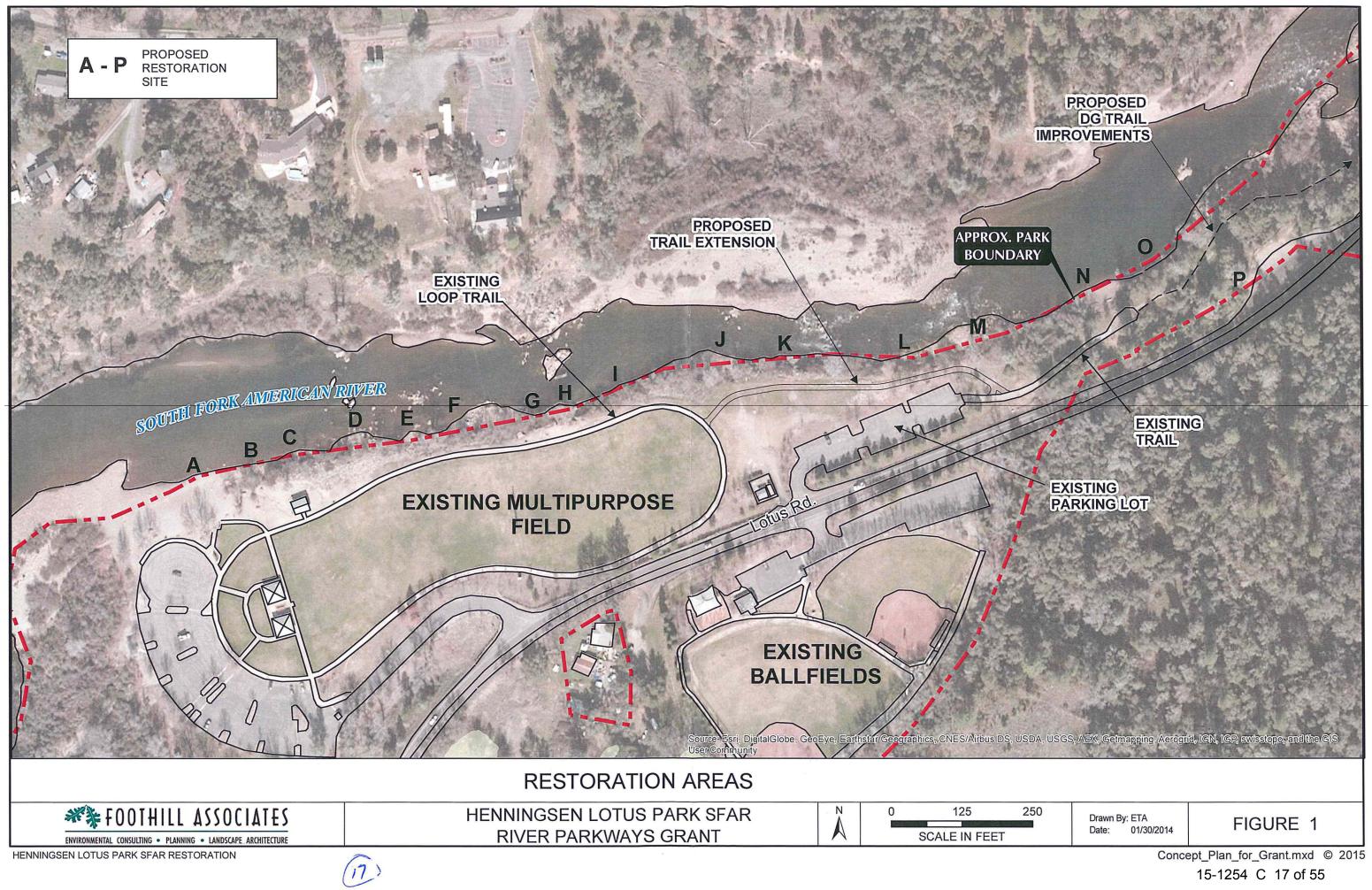
SITE PLAN

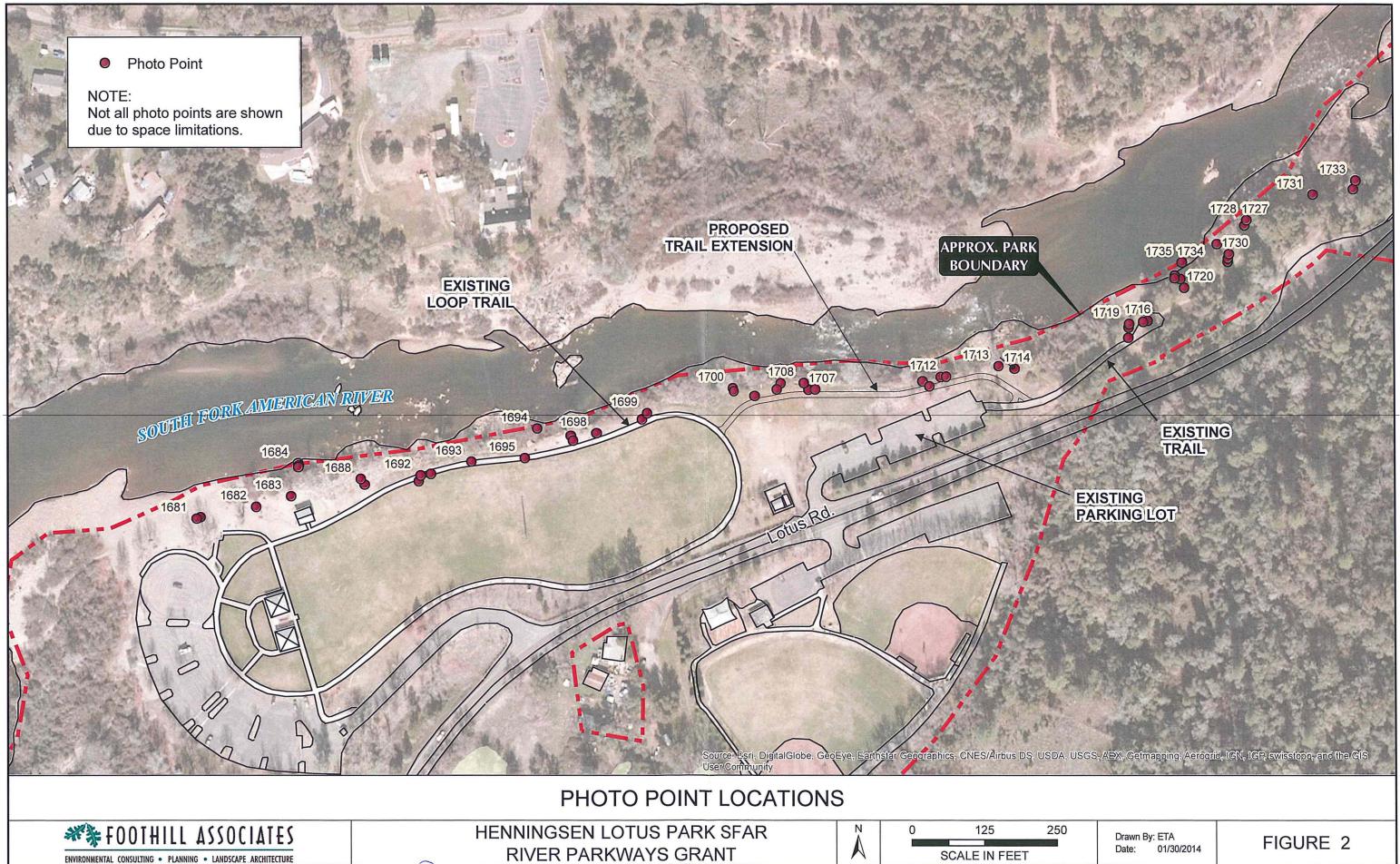
Native Plant and Tree Listing

| TREES | |
|---------------------|-------------------------|
| Botanical Name | Common Name |
| Acer negundo | Box elder |
| Alnus rhombifolia | White alder |
| Cornus nuttallii | Pacific dogwood |
| Fraxinus latifolia | Oregon ash |
| Platanus racemosa | California sycamore |
| Populus trichocarpa | Black cottonwood |
| Quercus kelloggii | Black oak |
| Quercus wislizenii | Interior live oak |
| Salix laevigata | Red willow |
| Salix gooddingii | Goodding's black willow |
| | |
| SHRUBS AND GRASSES | |
| Cornus stolonifera | Red twig dogwood |
| Muhlenbergia rigens | Deer grass |
| Rosa californica | California wild rose |
| Symphorcarpos alba | Snowberry |
| Ribes aureum | Golden currant |
| Rubus ursinus | California blackberry |
| Vitus californica | California wild grape |

16

15-1254 C 16 of 55





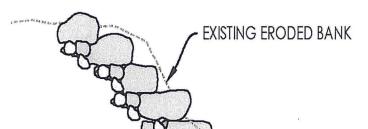
RIVER PARKWAYS GRANT

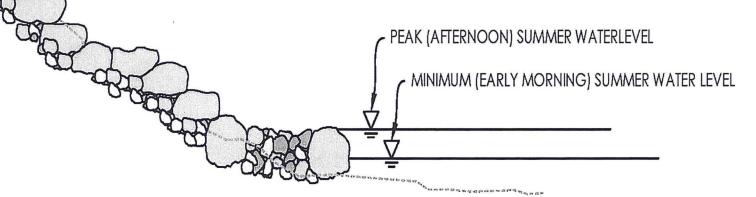
HENNINGSEN LOTUS PARK SFAR RESTORATION

10

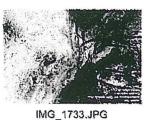
Photo_points_for_Grant.mxd © 2015 15-1254 C 18 of 55

SITE PLAN Page 3 of 3





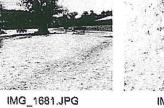
9



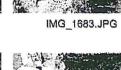




IMG_1734.JPG









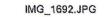








IMG_1691.JPG

















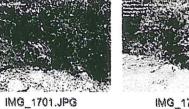






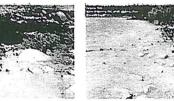














IMG_1706.JPG









IMG_1679.JPG

IMG_1680.JPG



IMG_1684.JPG



IMG_1685.JPG



IMG_1688.JPG



IMG_1693.JPG



IMG_1689.JPG

IMG_1694.JPG



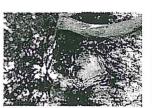
IMG_1690.JPG



IMG_1695.JPG



IMG_1698.JPG



IMG_1699.JPG



IMG_1700.JPG





IMG_1708.JPG



IMG_1704.JPG



IMG_1705.JPG



IMG_1709.JPG IMG_1710.JPG 15-1254 C 20 of 55





IMG_1711.JPG

IMG_1712.JPG

IMG_1717.JPG



IMG_1718.JPG

IMG_1728.JPG

21



and the second

IMG_1719.JPG

IMG_1729.JPG



Par 1

IMG_1720.JPG

IMG_1715.JPG

*



IMG_1716.JPG

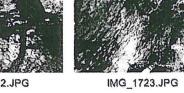


IMG_1721.JPG

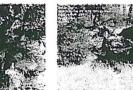


IMG_1722.JPG

Contraction of the second

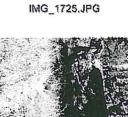


114



IMG_1724.JPG



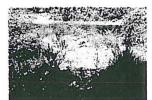


IMG_1730.JPG

.



IMG_1726.JPG



IMG_1731.JPG



IMG_1727.JPG

15-1254 C 21 of 55



15-1254 C 22 of 55



(23)

15-1254 C 23 of 55

CALIFORNIA RIVER PARKIVATS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division



AUTHORIZING RESOLUTION

COUNTY OF EL DORADO, CALIFORNIA BOARD OF SUPERVISORS POLICY

| Subject: GRANT APPLICATIONS | Policy Number Page Nu A-6 Page 1 c | |
|--------------------------------|---------------------------------------|--------------------------|
| | Date Adopted: 12/22/1987 | Revised Date: 4/23/13 |

BACKGROUND:

The County receives financial assistance in the form of grants.

For the purposes of this policy, grants shall be defined as cash or in kind assistance awarded by a government or other organization (called the grantor) for specified purposes to an eligible recipient (called the grantee). Grants are usually conditional upon certain qualifications as to the use, maintenance of specified standards, or a proportional contribution by the grantee or other grantor(s).

The grant process may consist of several steps including a notice of intent to apply, application, acceptance of award, and execution of grant agreement and related documents. The purpose of this policy is to ensure flexibility and efficiency in the grant application process while maintaining the Board of Supervisors discretion over the acceptance of grant funding and any related obligations.

POLICY:

- 1. Authority
 - A. County department heads are authorized to execute all documents required to apply for grants.
 - B. The Board of Supervisors is the sole authority for accepting grant awards and approving grant agreements. After acceptance of a grant award and approval of the grant agreement, the Board may delegate authority to execute the grant agreement and other grant related documents.
- 2. Department Head Responsibilities
 - A. Department heads are expected to exercise good judgment when determining to spend staff time applying for a grant.
 - i. The grant should be directly related to the mission and vision of the department.
 - ii. Any county match requirements must be feasible and reasonable.



15-1254 C 24 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division



COUNTY OF EL DORADO, CALIFORNIA BOARD OF SUPERVISORS POLICY

| Subject: | Policy Number A-6 | Page Number: Page 2 of 2 |
|--------------------|--------------------------|-----------------------------|
| GRANT APPLICATIONS | Date Adopted: 12/22/1987 | Revised Date: 4/23/13 |

- Department heads are required to communicate, document, and coordinate Β. with any other county departments that may be involved with or affected by the grant program or project.
- Department heads are responsible for determining whether they are authorized to exercise the authority provided herein under the grantor's guidelines for each C. grant.
- Department heads are encouraged to seek assistance and guidance from the Chief Administrative Office in fulfilling the responsibilities listed above. D.

Primary Department: Chief Administrative Office

References: None

15-1254 C 25 of 55

| 13. ENVIRONMENTAL COMPLIANCE SUMMARY | | |
|---|--|--|
| Lead Agency: <u>COUNTY</u> OF EL DORADO All counties included in the project: <u>COUNTY</u> OF EL DORADO | | |
| All counties included in the project: The Notice of Exemption or Notice of Determination must be filed and stamped by the County Clerk in <u>each of the counties</u> in which the project is located | | |
| INDICATE BELOW THE DOCUMENTATION SUBMITTED WITH APPLICATION, INCLUDING SUPPLEMENTAL MATERIAL LISTED (DRAFTS ACCEPTABLE FOR APPLICATION PURPOSES): | | |
| Initial Study (IS) or Checklist: | | |
| Anticipated completion date: 3/31/2016 Expected final CEQA document: | | |
| □ Notice of Exemption (NOE): | | |
| List the statutory or categorical exemption applicable to the project: | | |
| NOE filed and stamped by the County Clerk(s): Date(s) filed: | | |
| Negative/Mitigated Negative Declaration (Neg Dec): | | |
| Does the Negative Declaration include Mitigation measures? Yes INO | | |
| Environmental Impact Report (EIR): | | |
| Submit all documents listed below: | | |
| IS with checklist | | |
| State Clearinghouse Response, as applicable | | |
| Evidence Fish & Game fee paid or the project is exempt from fee | | |
| Notice of Determination <u>filed and stamped</u> by the County Clerk(s). Date(s) filed: | | |

Additional Information/Resources for CEQA:

CEQA guidelines:http://www.ceres.ca.gov/topic/env_law/ceqa/guidelines/State Clearinghouse and Planning Unit:http://www.opr.ca.gov/

26

15-1254 C 26 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

1.0 PROJECT DESCRIPTION

The proposed project location, components, and characteristics are described in the following subsections.

1.1 PROJECT LOCATION

Henningsen Lotus Park is located at 950 Lotus Road just south of the intersection of Highway 49 and Lotus Road next to the South Fork of the American River in western El Dorado County, in Lotus, California, Latitude 38° 48' 13.374" North, Longitude 120° 54' 21.178" West, NAD 83, and can be located on the Coloma Quad USGS 7.5 Minute Topographic Quadrangle (Project Site), as shown on **Figure 1**.

1.2 ENVIRONMENTAL SETTING

The 47-acre Project Site is south of and adjacent to the South Fork of the American River. Lotus Road intersects the park with portions of the improved park area south of the road.

1.2.1 General Plan Land Use Designation and Zoning Designation

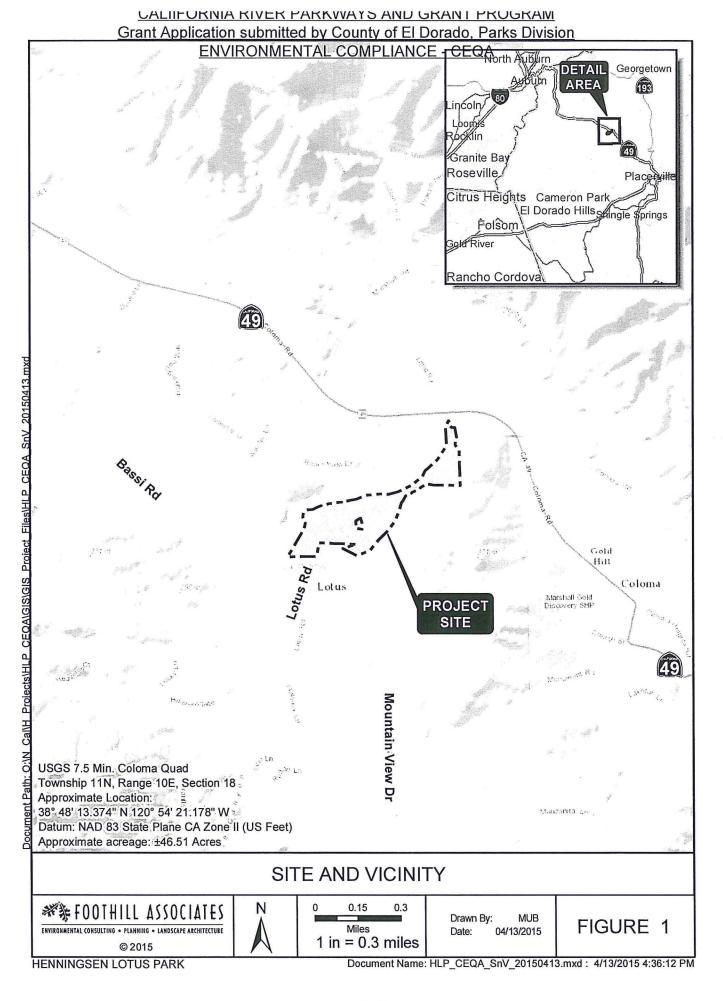
The Project Site is designated in the *El Dorado County General Plan, Land Use Element* as a Public Facility, owned by El Dorado County, within a delineated Rural Center in (El Dorado County, 2004). Land use to the north and south of the project site is designated as Commercial and Rural Residential. The land uses to the east and west of the Project Site are designated as Residential, Commercial, and Rural Residential by the *El Dorado County General Plan, Land Use Element* (El Dorado County 2004) (Figure 2). The majority of the Project Site is zoned as Recreational Facilities/Municipal Services Center; however, two small parcels in the northwest and southeast corners of the Project Site are zoned as Residential (Figure 3). There is one small residential property located within the Project Site. This approximately ½ acre parcel contains several occupied residential structures and outbuildings. The zoning designations surrounding the Project Site include One-Half Acre Residential, Commercial, Planned Commercial, Residential Agriculture 40-acre, and Estate Residential Five-Acre (El Dorado County 2004) (Figure 3).

1.2.2 Surrounding Land Uses

The Marshall Gold Discovery State Historic Park is located southeast of the Project Site and the O.A.R.S River Park Adventure Campground is west of the northern end of the park. Adjacent land uses include several developed and undeveloped rural residential parcels; natural recreation areas owned by the State of California and the Bureau of Land Management (BLM); El Dorado County Fire Station 74; and several commercial properties.

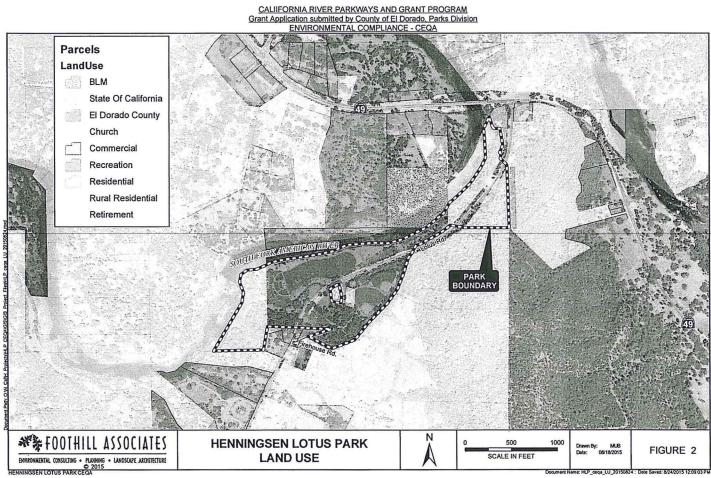
27

15-1254 C 27 of 55



20

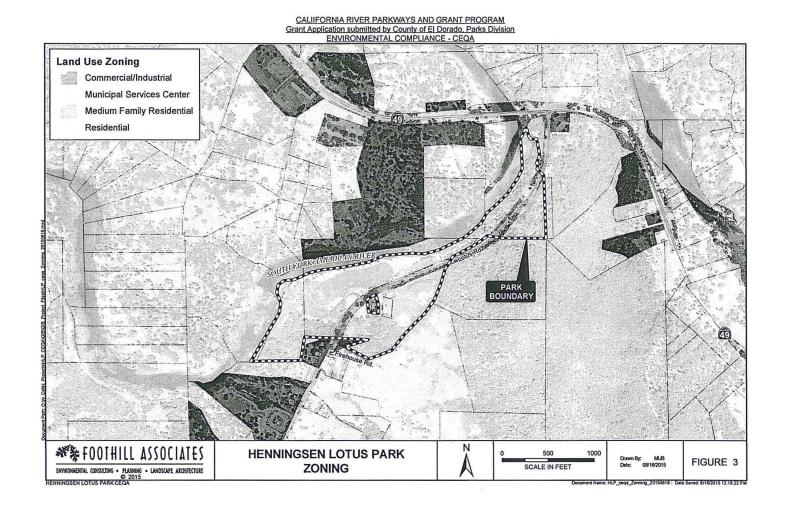
15-1254 C 28 of 55



.



15-1254 C 29 of 55



•

30)

.

15-1254 C 30 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

1.2.3 Biological Communities

The Project Site is primarily characterized by disturbed/developed areas and mixed oak woodland. The extent of individual biological communities mapped within the Project Site is summarized below in Table 1.

| | 1 1 | | |
|----------------------------|---------------|--|--|
| Biological Community | Total Acreage | | |
| Mixed Oak Woodland | 14.55 | | |
| Chaparral | 1.07 | | |
| Riparian | 3.82 | | |
| Himalayan Blackberry Scrub | 4.64 | | |
| Disturbed/Developed | 19.51 | | |
| Seasonal Marsh | 0.45 | | |
| Perennial Marsh | 0.65 | | |
| South Fork American River | 1.76 | | |
| Ephemeral Drainage | 0.06 | | |
| Total | 46.51 | | |

Table 1 — Biological Communities by Acreages

1.2.4 Aquatic Features

The South Fork of the American River, a navigable water of the United States, borders the Project Site on the north and west boundaries, drawing numerous recreational users to the Project Site. The river receives water from upstream snowpack and water then flows into Folsom Lake, which empties into the American River, which is a tributary to the Sacramento River and ultimately to the Pacific Ocean. Many unnamed ephemeral drainages are present throughout the Project Site. These drainages flow northwest and drain into the South Fork of the American River on the northwest boundary of the Project Site.

1.2.5 Topography

The general topography of the Project Site has been influenced by the old gravel mining business that historically to operated on the property. It is comprised of moderately steep slopes on the eastern side of the Project Site. The western side of the Project Site is composed of mostly flat/developed park land. Elevations within the Project Site range from 710 feet above mean sea level (MSL) to 1,000 feet above MSL.

1.3 BACKGROUND

Henningsen Lotus Park (HLP) is a 47-acre park owned by El Dorado County and located in the Coloma-Lotus area on the site of an old gravel mining operation. HLP is classified as a community and regional park facility in the *El Dorado County Parks and Trails Master Plan* (2012), but also functions as a local neighborhood park for the Coloma-Lotus area. HLP is the largest and most heavily used improved park in the County (Foothill Associates 2012). The community park currently includes facilities such as Little League fields, picnic areas, walking trails, play areas, restrooms, and a pavilion. HLP is adjacent to the South Fork of the American River and provides river access for rafting and kayaking with a boat launch and beach in the downstream end of the park. Current uses of the park include: picnicking; river access for paddle sports such as kayaking, inner tubing, and rafting; walking and jogging; organized sports including soccer, softball, and baseball; special events such as the American River Music Festival; swimming and other beach activities; fishing; and wildlife and scenery viewing.

15-1254 C 31 of 55

<u>Grant Application submitted by County of El Dorado, Parks Division</u> <u>ENVIRONMENTAL COMPLIANCE - CEQA</u>

The first master planning effort for HLP took place in the late 1980's and focused on an initial area encompassing 18-acres. As the park expanded opportunities for other improvements were identified and implemented over the next 20 years.

The 2004 *El Dorado County General Plan, Parks and Recreation Element* directed the County to develop a *Parks and Trails Master Plan* (Master Plan) for the west slope area of El Dorado County. The Master Plan developed a long term vision and direction for the planning, implementation, and management strategies for parks and trails within the western slope of the County. This included a large planning effort for HLP. The Master Plan process included involving community members to offer ideas for future HLP improvements. The proposed improvements were reported in the Master Plan which suggested additional uses and facilities for HLP.

In response to the *El Dorado County Parks and Trails Master Plan* a comprehensive *Henningsen Lotus Park Conceptual Master Plan* (Concept Plan) was developed with further community input for HLP. The Concept Plan aimed to balance the desires of park visitors and neighbors while reflecting the County's need for recreation facilities. The planning process included an existing conditions assessment, public workshops, analysis of economic impact, opportunities and constraints, and a draft park concept plan. The Concept Plan was adopted by the El Dorado County Board of Supervisors in 2014. The Concept Plan identified over 20 potential proposed improvements to HLP. From the outlined improvements in the Concept Plan, a subset of 11 improvements for HLP have been identified for potential implementation by El Dorado County over the next 10 years in anticipation of future grant or other funding opportunities.

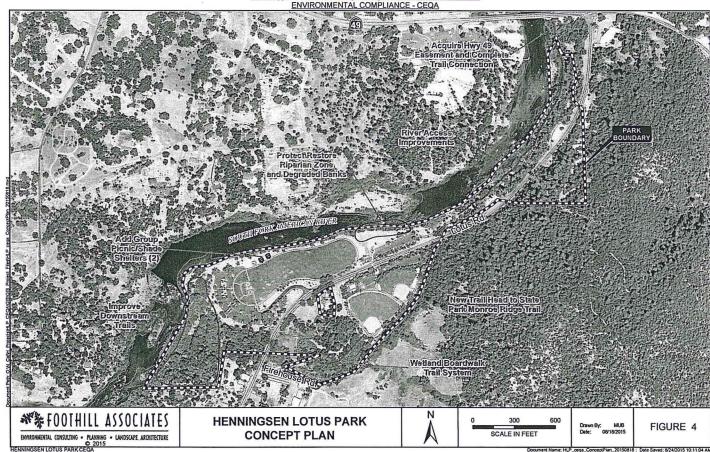
1.4 PROJECT PURPOSE & OBJECTIVES

The adopted Concept Plan identified potential project improvements for HLP by engaging community members and park visitors. The Concept Plan identified over 20 proposed park improvements. The purpose of this environmental analysis is to clear the development of a subset of 11 proposed projects outlined in the Concept Plan. These 11 improvements (Proposed Project) were identified by El Dorado County and are targeted priorities for potential implementation. Development of the Proposed Project would provide additional park and recreation facilities within HLP based on the need identified in the Concept Plan.

1.5 PROJECT COMPONENTS

Improvements analyzed for the Proposed Project include land acquisition, construction of new facilities, trail improvements and new trail construction, and natural resource improvements (Figure 4). Specific recommended improvements are summarized as follows:

15-1254 C 32 of 55



33

CALIIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado. Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

15-1254 C 33 of 55

CALIIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

1.5.1 Recommended Land Acquisition

1.5.1.1 Trail Easement. An easement for trail connections to Highway 49 is proposed to improve connection and access from the northern park boundary to Highway 49 at the bridge over the South Fork of the American River. The trail currently ends 200 feet south of the bridge. El Dorado County intends to acquire a recreation access easement on this parcel zoned for commercial use in order to formalize and improve the trail connecting the park to Highway 49. The trail connection would provide pedestrians with access to Highway 49 and the commercial center north of the river in Lotus.

1.5.2 Recommended New Facility Construction

1.5.2.1 New Group Picnic Area

A new group picnic area will be constructed northeast of the existing turf area on the north side of Lotus Road on a dirt area with little existing vegetation. The picnic area will be near the existing paved parking lot that is accessed by Lotus Road. The new group picnic area will include multiple accessible tables, shade structures, paved paths, trashcans, barbecues, drinking fountains, and a prefabricated vault-style restroom.

1.5.2.2 New Site Furnishings

Additional benches, trashcans, recycling bins, and drinking fountains will be installed at various locations throughout the park to better accommodate the needs to park users. Benches, trash cans, recycling bins, and drinking fountains will be mounted on concrete slabs to prevent theft. Water connections to drinking fountains will be extended from existing water service to the park.

1.5.2.3 New Shade Shelters

Several new shade shelters will be added with accessible picnic tables to the existing picnic area near the beach and main parking lot. The new shade shelters and tables will be similar in size and design to the existing tables and shelter.

1.5.3 Trail Improvements and New Trail Construction

1.5.3.1 Connector Trail to Highway 49

The approximately ½ mile of informal trail connecting the northern edge of the park to Highway 49 will be improved to provide safer access and protect the bank from erosion and the river from associated sedimentation. The trail improvements will consist primarily of establishing a more consistent width (approximately 3 feet) and cross slope; stabilizing downhill and uphill slopes and drainages using appropriately sized boulders and other bioengineering techniques; and removing significant surface barriers such as protruding rocks. The trail alignment will follow the existing informal trail as much as possible to limit impacts to vegetation and will remain unpaved.

1.5.3.2 River Access Improvements

Several locations exist where park users have established informal trails from the park down to the edge of the river damaging riparian vegetation and causing soil erosion. Trailblazing by pedestrians has degraded the riverbank and riparian zone at sixteen locations between the beach area and the upper paved trail at HLP. The informal trails range in width from 3 feet to over 10 feet and transverse between 10 and 20 vertical feet to the river bank.

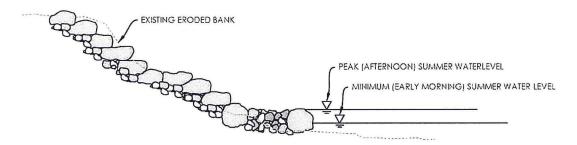
Ten of the sixteen informal trails down to the river would be improved through boulder and cobble terracing and planting of riparian species on either side of the access point (**Figure 5**). The remaining six informal trials would be closed to public access and restored. See *Riverbank Stabilization and Restoration* improvements below for a more detailed description. Bioengineered log cribwalls are also proposed at two of the larger areas. Sites are classified as "small",

15-1254 C 34 of 55

<u>CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM</u> Grant Application submitted by County of El Dorado, Parks Division <u>ENVIRONMENTAL COMPLIANCE - CEQA</u>

"medium" and "large". Small sites would be approximately three to four feet wide. Medium sites would be four to six feet wide, and large sites would be six to ten feet wide.

Figure 5 – Erosion Repair/Public Access Point



A priority has been defined for each site based upon the magnitude of the disturbance and the potential effect of improvements. Priorities have been assigned as A, B or C with A being a high priority and C being a lower priority. Priority is generally based upon size and erosion potential, so large sites and sites with a high potential for erosion received a higher priority than smaller and/or more stable sites. Closures have generally been given a low priority because improvements to adjacent sites should be done prior to closures or the closures are unlikely to be successful. The paved trail extension and terraced improvements to the picnic area (Site A) have also been given a high priority because these projects would have significant recreational value and also significant impact on pedestrian circulation (Figure 6). Specific Site Recommendations are as follows (Figure 6):

Site A: Priority A, significant circulation enhancement

High use area with picnic tables and slope leading down to boat put-in area. There is some evidence of erosion on slope, due primarily to the heavy foot traffic. Recommendations include installation of a series of 16" boulder terraces to level and stabilize the slope. This would also create a level area for the picnic tables.

Site B: Priority C, site closure

This area receives moderate use, primarily from users of the adjacent picnic tables. Recommend closing to pedestrian traffic with boulders, plantings, and signage directing visitors to Sites A or C.

Site C: Priority B, small access point

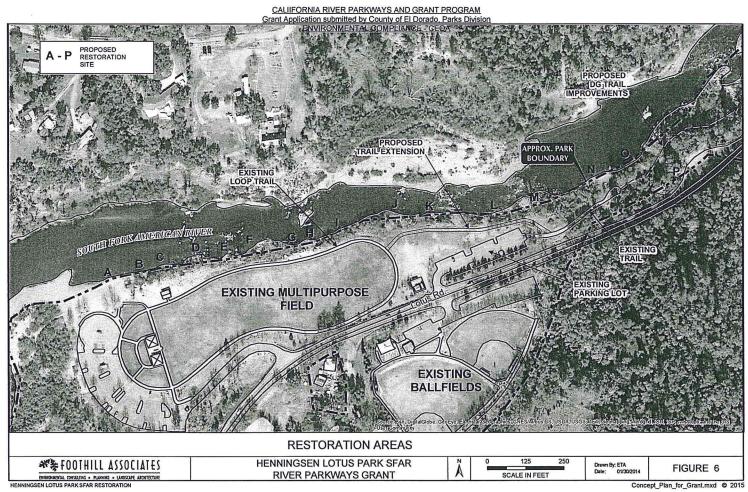
This site is a moderately used, narrow trail to the water's edge experiencing some erosion. The riverbank at this location is approximately 10-feet high. Recommend stabilizing the path with boulder/cobble "steps". Width for this and other sites labeled as "small" would be three to four feet.

Site D: Priority C, site closure

This small access point receives moderate use and should be closed, with users redirected to Sites C and E. Access control will be accomplished with boulders, planting and signage.

Site E: Priority A, medium access point

15-1254 C 35 of 55



15-1254 C 36 of 55

Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

This medium sized access point receives heavy use due to proximity to trail and picnic tables. Height of top of bank is approximately 14 feet above the river. Medium access points should be four to six feet wide and consist of boulder and cobble terraces with restoration plantings on either side to constrain pedestrian traffic.

Site F: Priority C, site closure

This small access point would be closed using boulders and plantings at the top of bank, with signage directing visitors to Site E or G/H.

Site G: Priority A, medium access point

This is the site of an old bridge abutment. The river access is very steep and use is heavy due to the adjacent picnic tables. Distance from top of bank to river cobble is approximately 16-feet. Repair of site G would include boulder terracing and riparian restoration and be combined with Site H.

Site H: Priority A, medium access point

This medium access point receives heavy use due to nearby picnic tables and water fountain. Erosion is very extensive and could threaten paved trail given time. Height of bank is approximately 20-feet. Solution would involve boulder/cobble terracing and riparian restoration. Due to size, use and height, a hand/guard rail may be required for safe access.

Site I: Priority C, site closure

This small access point would be closed using boulders and plantings at the top of bank, with signage directing visitors to Site G/H.

Site J: Priority C, site closure

This small access point receives moderate use and would be closed using boulders and plantings at the top of bank, with signage directing visitors to Site K.

Site K: Priority B, large access point

Located at the tail of a rapid, this site receives heavy use from visitors due to proximity to the parking lot and desirability as a swimming location. This use will increase once the loop trail is extended to connect to the north trail. Height is approximately 20-feet above dry-season river level. Erosion potential is moderate. The site should be improved with boulder terraces and restoration plantings.

37

15-1254 C 37 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

Site L: Priority B, large access point

This site, located along the rapid upstream of Site K, also receives heavy use from visitors accessing the planed granite beach at the toe of the bank. Bank height is approximately 18 feet and composed of cobble and soil. Evidence of erosion is moderate. Boulder and cobble terraces are recommended to stabilize the slope and provide better access to the river's edge. Riparian vegetation would be planted to direct pedestrian traffic and provide enhanced habitat and soil stability.

Site M: Priority C, site closure

This small access point would be closed using boulders and plantings at the top of bank, with signage directing visitors to Sites L and N.

Site N: Priority A, large access point with significant erosion potential

Located near the end of the paved trail, this site has extensive erosion of the sandy substrate that is undermining the existing paved trail. Bank height is approximately 16-feet and erosion potential is high. Stabilization and access improvements would include installation of a bioengineered log cribwall and ramp, boulders and cobble, stabilized DG surfacing, and restoration plantings. A handrail may be needed for safety. Invasive species present at the site, including tree of heaven and Scotch broom, would be removed and replaced with native species, including alder, cottonwood, willow, Oregon ash and native shrubs and groundcover.

Site O: Priority B, large access point with significant erosion potential

As with Site N, this location is also experiencing heavy erosion of the sandy substrate. The bank is very steep and approximately 16 feet high. Solution includes bioengineered log cribwall with boulder landing and restoration plantings.

Site P: Priority B

This site is the only location not adjacent to the river. An existing overly steepened path leading from the parking lot on Lotus Road to the north trail is experiencing erosion. A boulder/rock stairway is recommended in this location.

DG Trail Improvements: Priority C

The earthen trail leading north from the developed area of the park to the vicinity of the Highway 49 bridge has been partially improved through use of natural rock retaining walls, but many areas are eroding and in need of repair. Proposed improvements include additional boulder retaining walls, widening of the existing dirt track where feasible, resurfacing with stabilized DG, installation of culverts for drainage, and addition of a pet waste station at the trailhead. These improvements would provide pedestrians with safer and easier access to the river.

Additionally, the existing paved loop trail would be extended to connect to the paved north trail between the river and the northern paved lot to provide additional river access. The extension will be a 10-feet wide, paved asphalt trail with 2-foot stabilized decomposed granite trails. The trail extension will include benches, trash receptacles, and interpretive signs on riparian habitat, erosion and the bank stabilization.

1.5.3.3 Monroe Ridge Trailhead

A trailhead will be created southeast of the parking area south of Lotus Road to mark the access point for a future trail connecting HLP to the Monroe Ridge Trail in Marshall Gold Discovery Park. The trailhead will include a kiosk with trail information, trashcans, dog waste dispensers, and

15-1254 C 38 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

recycling bins. The kiosk will include signage identifying the Monroe Ridge Trail route, access restrictions, trail use etiquette, safety practices, and information about natural resources. Construction of the connector trail is not part of this project.

1.5.3.4 Wetland Boardwalk Trail System

A system of unpaved and elevated boardwalk trails will be constructed through the wetland mitigation area at the southwest corner of HLP. Elevated boardwalks will be used to keep hikers out of wetland areas and to prevent interruption of drainage connections between wetland features. Trail alignments will follow existing informal trails where feasible and will minimize impacts to native vegetation. The trail width will not exceed 4 feet.

1.5.3.5 Downstream Park Trails

There are several informal trails established through the wooded vegetation southwest of the main parking lot. El Dorado County intends to formalize and improve specific routes constructing approximately ½ mile of unpaved trails. Impacts to vegetation will be limited by using existing informal trails where possible and routing the trails around significant trees and shrubs.

1.5.4 Natural Resource Improvements

1.5.4.1 River Bank Stabilization and Restoration

Select locations along approximately ½ mile of river bank will be stabilized and restored to correct existing erosion issues and prevent future damage. Techniques used will include use of native rock and other bioengineering methods such replanting riparian vegetation. Six of the sixteen degraded river access locations will be closed to pedestrian traffic and restored. Restoration sites are classified as "small", "medium" and "large". Small sites would be approximately three to four feet wide. Medium sites would be four to six feet wide, and large sites would be six to ten feet wide. The following sites are recommended for closure and restoration: Site B, Site D, Site F, Site I, Site J, and Site M (Figure 6). See *River Access Improvements* for more detailed descriptions of site closures and river bank restoration. Other sites listed in *River Access Improvements* also have components of bank stabilization and restoration. Additionally, restoration of the riparian woodland will be accomplished between the extended paved loop trail and the river in an area approximately 550-feet long by 10-feet wide through planting of 40 trees and 600 shrubs and groundcover.

1.5.4.2 Interpretive Signage

Interpretive signs will be erected highlighting the natural resources at HLP and recreation practices for minimizing impacts to the environment. The purpose of these signs is to encourage stewardship amount the many types of park users in order to preserve the natural qualities that all park users enjoy. Anticipated interpretive signage areas will include wetland mitigation area, adjacent to trails, at river access points, near parking areas, and group picnic areas. Signs will typically be mounted on posts set in concrete, or decorative bases set on concrete.

15-1254 C 39 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

1.6 OTHER PROJECT APPROVALS

Development of the Proposed Project is anticipated to require permits and authorizations as summarized in **Table 1-1** below.

Table 1-2 — Potential Resource Agency Permitting Requirements

| Approving Agency | Permit/Approval |
|--|--|
| Federal Agencies | |
| U.S. Fish and Wildlife Service (USFWS) | Compliance with Section 7 of the Federal Endangered Species Act (16 USC 1536) |
| U.S. Army Corps of Engineers (USACE) | Compliance with Section 404 of the Federal Clean Water Act, 33 USC 1341) |
| State Agencies | |
| State Water Resources Control Board, Regional Water Quality Control Board (SWRCB, RWQCB) | Coverage under the General Construction Activity Storm Water Permit (§ 402 of the Clean Water Act, 40 CFR Part 122) |
| State Water Resources Control Board, Regional Water Quality Control Board (SWRCB, RWQCB) | Water Quality Certification (§ 401 of the Clean Water Act) |
| California Department of Fish and Wildlife (CDFW) | Streambed Alteration Agreement (§1602 of the Fish and Game Code) |
| Local Agencies | |
| County of El Dorado, Building and Safely Services | Grading permit (El Dorado County Grading Erosion, and Sediment Control Ordinance, Chapter 15.4) |

4C

15-1254 C 40 of 55

Grant Application submitted by County of El Dorado, Parks Division ENVIRONMENTAL COMPLIANCE - CEQA

2.0 REFERENCES

El Dorado County, Planning Services. 2004. El Dorado County General Plan, Land Use Element, 2004.

Foothill Associates, 2012. *El Dorado County Parks and Trails Master Plan*. El Dorado County. 2012.

Foothill Associates, 2014. Henningsen Lotus Park conceptual Master Plan, El Dorado County, 2014.

15-1254 C 41 of 55

8. PROPERTY DATA SHEET

Use the Property Data Sheet to list the owner(s) of all parcels included in the proposed project. Indicate and attach all required documents including any clarifying comments below. Attach additional sheets if necessary.

| Owner Name COUNTY OF EL DORAPO | Assessor Parcel Number(s) | | nple | t | | | | | - 1 | | | | 20 |
|--|------------------------------|---------|------------|----------|---------------------|--|------------------|--------|--------|----------------------|---|---|---|
| COUNTY OF | | Acreage | Fee Simple | Easement | Other (describe) | Proof of Ownership (tax bill, grant deed, etc.) | O&M Agreement | Lease | JPA | Letter from Owner | Other (describe) | Entity to perform O&M | # of years O&M to be performed |
| FL DORADO | 006-011-42-100 | 18.69 | 1 | | | GRANT DEED | | | | | | | |
| | | 1.1.4 | | | | | | | | | | | _ |
| | | | | | | | | | | | | | |
| | | - 01 | | | | | | | | | | ст. | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| and a state of the | | | | | | | | | | | | | |
| | | nments: | nments: | ments: | ments: | | ments: | ments: | ments: | nments: | Image: Second | Image: Second | Image: Second |

32

15-1254 C 42 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM

Grant Application submitted by County of El Dorado, Parks Division

ASSESSOR'S PARCEL MAPS, PROOF OF OWNERSHIP, GRANT DEED



15-1254 C 43 of 55

Parcel Number 006-011-42-100

950 LOTUS RD

Current Property Owners

COUNTY OF EL DORADO 330 FAIR LN PLACERVILLE CA 95667 100% Ownership Separate Property

Assessor's information is for assessment and tax purposes only and should not be relied upon for status of development or building purposes.

Property Description

Assessor's Plat map 006-01 Inactive Assessor's Plat map 006-01_20130508 (Old map)

- Inactive Assessor's Plat map 006-01_20080724 (Old map)
- Inactive Assessor's Plat map 006-01_20080605 (Old map)
- Inactive Assessor's Plat map 006-01_20070205 (Old map)
- 🕼 Inactive Assessor's Plat map 006-01C (Old map)
- 🔚 Inactive Assessor's Plat map 006-01B (Old map)
- 🖫 Inactive Assessor's Plat map 006-01A (Old map)
- 🔚 Inactive Assessor's Plat map 006-01 (Old map)
- Assessor History Maps

Reference: RS 15/115/2

Record of Survey 015-115
Record of Survey 015-115A
For Zoning, Flood Zone, Census Tract, etc. : "El Dorado County Planning Dept." or "Tahoe Regional Planning Agency"
Last appraisal effective date: 09/01/1979
Last appraisal reason: Business account value change (Result of statement)
Last appraiser's initials: JPG
APN Status: 11, Inactive, Non taxable
Tax Rate Area: 072-036 Gold Trail Unified school district

| Roll | Date | APN Status | Event Status | Seq. | Туре | Stmt. Status | I.D. | Stmt. # | Value |
|------|------------|---------------|-----------------|------|------|-----------------|------|------------|-------|
| 2015 | 01/01/2015 | Annual Roll | Inactive | 1 | Roll | No Bill | | | |
| 2014 | 01/01/2014 | Annual Roll | Inactive | 1 | Roll | No Bill | | | |
| 2013 | 01/01/2013 | Annual Roll | Inactive | 1 | Roll | No Bill | | | |

http://main.edcgov.us/CGI/WWB012/WWM422/A?P=200601142100&C=11



15-1254 C 44 of 55

| 2012 | 01/01/2012 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
|------|------------|-------------|----------|---|------|---------|-----|---|
| 2011 | 01/01/2011 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2010 | 01/01/2010 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2009 | 01/01/2009 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2008 | 01/01/2008 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2007 | 01/01/2007 | Annual Roll | Inactive | 1 | Roll | No Bill | _ | |
| 2006 | 01/01/2006 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2005 | 01/01/2005 | Annual Roll | Inactive | 1 | Roll | No Bill | ъ., | |
| 2004 | 01/01/2004 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2003 | 01/01/2003 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2002 | 01/01/2002 | Annual Roll | Inactive | 1 | Roll | No Bill | | _ |
| 2001 | 01/01/2001 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 2000 | 01/01/2000 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 1999 | 01/01/1999 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 1998 | 01/01/1998 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 1997 | 01/01/1997 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 1996 | 03/01/1996 | Annual Roll | Inactive | 1 | Roll | No Bill | | |
| 1995 | 03/01/1995 | Annual Roll | Inactive | 1 | Roll | Not Avl | | |
| 1994 | 03/01/1994 | Annual Roll | Inactive | 1 | Roll | Not Avl | | |
| 1993 | 03/01/1993 | Annual Roll | Inactive | 1 | Roll | Not Avl | | |
| 1992 | 03/01/1992 | Annual Roll | Inactive | 1 | Roll | Not Avl | | |
| 1991 | 03/01/1991 | Annual Roll | Inactive | 1 | Roll | Not Avl | - | |
| 1990 | 03/01/1990 | Annual Roll | Inactive | 1 | Roll | Not Avl | | |
| 1989 | 03/01/1989 | Annual Roll | Inactive | 1 | Roll | Not Avl | _ | |
| 1988 | 03/01/1988 | Annual Roll | Inactive | 1 | Roll | Not Avl | | |

Property Characteristics

Area calculations and characteristics are not guaranteed.

Users should verify items such as permits,

building areas, acreages, zoning, legal use, etc.

| Characteristic | Change Date 12/28/1986 Value |
|-------------------|---------------------------------|
| Estimated Acreage | 18.690 |
| Topography | Level |
| Waterfront | Y |

Parcel Split Background This parcel was formed from parcel 006-011-01-100 01/17/1986

Owner Change History

15-1254 C 45 of 55

Recorded Document:

Recorder's Book and Page: 2517-728 Record Change Date: 12/23/1985 Effective Owner Change Date: 12/23/1985, Sequence Number 2 Document transfer tax: 495.00 Sales Reject reason: Not an open market transaction

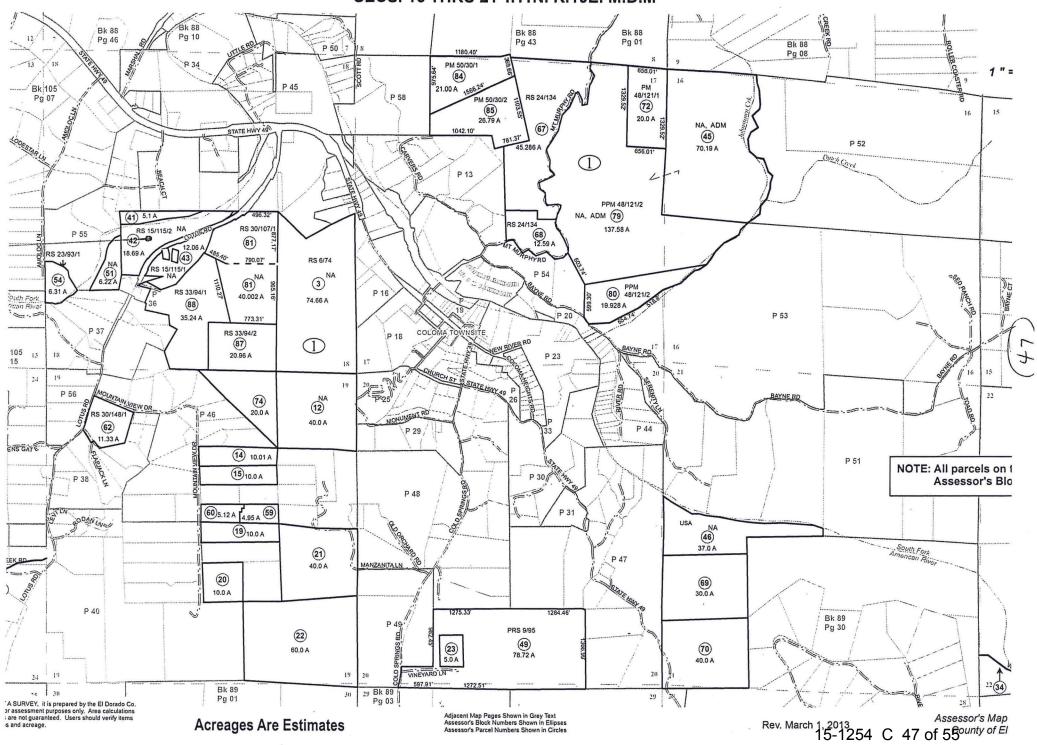
Recorded Document:

Recorder's Book and Page: 2517-707 Record Change Date: 12/23/1985 Effective Owner Change Date: 12/23/1985

> Generated Tuesday September 1, 2015 14:10:03 PDT for PUBLIC at 172.19.136.67 e-mail the Assessor assessor assessor@edcgov.us



15-1254 C 46 of 55



SECS. 16 THRU 21 T.11N. R.10E. M.D.M

.

| Inter-County Title Co. | | |
|--|----------------------|-----|
| OFFICIAL CROOKED EL DORADO CONTETENALE RECORDED HAIL TO RECORDED BUT | | 4 |
| Inter-County Title Co. | | |
| | | |
| Board of Supervisors | 4 5 10 | |
| 360 Fair Lane C.M. Communication of Comm | | |
| undersigned grantor(s) declare(s): FILED SPACE ABOVE THIS LINE FOR RECORDER'S USE | - | |
|) computed on full value of property conveyed, or | | |
|) computed on full value less value of liens and encumbrances remaining at time of sale. | ar (| |
| Grant Deed ORDER NO | | |
| | | |
| FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, CHRISTINE A. SANDERS, a married woman as her sole and separate property | 1 | |
| and VERNE G. SANDERS, JR., Trustee of the BARBARA PERRY TRUST by docu- ment entitled "NORMAN AND HAZEL HENNINGSEN CHILDREN AND GRANDCHILDREN | | |
| TRUSTS" dated July 15, 1975, | | 221 |
| hereby grants to: | | 1 |
| THE COUNTY OF EL DORADO, a political subdivision of the State of California, the following described real property in the unincorporated area of the | | , |
| County of El Dorado . State of California: | | |
| | | • |
| | | |
| FOR LEGAL DESCRIPTION SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF BY REFERENCE AS THOUGH FULLY SET HEREIN. | a na shekara na sana | |
| | | |
| | | |
| | | |
| | ; | |
| | | • |
| | | i |
| | | |
| | 1 | |
| | | • |
| | | |
| | | |
| | | |
| | | |
| Υ. | - 1. | |
| <u>.</u> | i i | |
| December 18, 1985 | | |
| STATE OF CALIFORNIA COUNTY OF EL DORADO SS Dated Justice O. (Parder | | |
| On December 20, 1985 before me, the under CHRISTINE A. SANDERS | | |
| signed, a Notary Public in and for said State, personally appeared <u>VERNE G. SANDERS, JR., as Trustee</u> <u>Christine A. Sanders and Verne</u> of the BARBARA PERRY TRUST by | | |
| G. Sanders, SI. document entitled "NORMAN AND | | |
| evidence, known to me to be the person S whose name S are CRANDCUTT DEEN MELTINGERS dated | 1 | |
| subscribed to the within instrument and acknowledged that they July 5, 1975, executed the same. | · " | |
| WITNESS my hand and official seal. | : | |
| OFFICIAL SEAL | | |
| VICHIN, SIUCKDALE VICHIN, SIUCKDALE OF 17 728 | | |
| Signature Licki K. Stockdale WICHI K. STOCKDALE BLODRADO COUNTY BLOCK 2517 PAGE 728 | , v | |

15-1254 C 48 of 55

EXHIBIT "A"

DESCRIPTION

All that certain real property situated in the County of El Dorado, State of California, more particularly described as follows:

That portion of Section 18, Township 11 North, Range 10 East, M.D.B.& M., described as follows:

BEGINNING at a point on the centerline of Main Street, Town of Lotus, County of El Dorado, State of California, from which the South quarter corner of Section 18 bears South 41° 4' East 1694.10 feet; thence on said centerline of said Main Street North 26° 46' East 174.2 feet to the true point of beginning of the land herein described; thence North 68° 40' West 70 feet; thence North 15° 43' West 145.85 feet; thence North 87° 29' West 116 feet; thence South 14° 11' West 242 feet to an iron bar 1 inch X 15 inches in a mound of rock; thence North 65° 36' West to a point on the West line of the Northeast quarter of the Southwest quarter of said Section 18; thence Northerly along the Westerly line of said Northeast quarter of the Southwest quarter to the Northwest corner thereof; thence Easterly along the Northerly line of said Southwest quarter 10 chains to a point which is distant 10 chains Westerly from the centerline of said Section 18 measured along the Northerly line of the said Southwest quarter of said Section; thence North 3 chains; thence North 25 1/20 East 3 chains to the centerline of the Georgetown-Lotus Road; thence following said road North 11 $1/2^{\circ}$ West 5.2 chains; thence North 14 $1/2^{\circ}$ East 6.87 chains; thence North 12 West 2.6 chains to the North line of the Southeast quarter of the Northwest quarter of said Section 18; thence leaving said County Road and along said North line, Easterly 8.57 chains to the Northeast corner of said Southeast quarter of the Northwest quarter of said Section; thence South along the centerline of said Section, 20 chains to the center thereof; thence Easterly along the Northerly line of the Southeast quarter of said Section 8.88 chains to the Northwest corner of the land described in the Deed executed by Annie J. Darlington, etal, to John W. Grother, etux, recorded March 23, 1933 in the office of the recorder of El Dorado County, in Book 130 of Official Records at Page 223; said point being on the North line of the Southeast quarter of said Section; thence following the Northwesterly line of the land described in said Deed South 34° 51' West 99.9 feet; South 57° 19' West 240.6 feet; South 39° 23' West 146.5 feet; South 18° 23' West 166.3 feet; South 23° 19' West 194 feet; South 37° 48' West 177.3 feet; South 45° 37' West 299.3 feet; South 40° 28' West 238.5 feet; South 70° 32' West 265.3 feet; South 61° 11' West 285.5 feet; South 66° 9' West 159.5 feet; to a cedar fence post scribed "No. 14" at the

15-1254 C 49 of 55

intersection of a private road and the Easterly line of Main Street; thence leaving the line of the land of Grother's and running Westerly to the true point of beginning.

SAVING AND EXCEPTING THEREFROM the following described parcels:

(1) That portion conveyed by the Deed recorded January 17, 1936 in Book 142 of Official Records of El Dorado County, at Page 304 as follows:

COMPRISING a portion of the Northeast quarter of the Southwest quarter of Section 18, Township 11 North, Range 10 East, M.D.B.& M.

COMMENCING at the most Southerly corner of the tract herein described, an iron pin 5/8 inch in diameter, 12 inches long set full length in the ground in the centerline of the Main Street of the Town of Lotus, from which the South quarter Section corner of Section 18, Township 11 North, Range 10 East, M.D.B.& M., bears South 35° 51' East, 1767.1 feet. THENCE North 68° 40' West, 70.0 feet to the most Southerly and Westerly corner thereof, an iron pin 5/8 inch square, 12 inches long and set full length in the ground in mound of rock. Thence along the present fence North 15° 43' West, 145.85 feet to the Northwest corner thereof, an iron pin 5/8 inch square 12 inches long and set full length in the ground in a mound of rock. Thence South 87° 29' East at 516.37 feet, an iron pipe 3/4 inch diameter 24 inches long, and set full length in the ground in the ground in a mound of rock. Thence south 87° 29' East at 516.37 feet, a point in the centerline of the County Road leading from Lotus to Coloma. Thence along the centerline of said road from point to point as follows: South 51° 01' West 271.52 feet to the most Southerly corner thereof, the place of commencement.

- (2) All that portion lying North of the centerline of the South Fork of the American River.
- (3) All that portion lying Southerly and Southeasterly of the Northerly and Northwesterly boundary of the County Road from Coloma to Lotus.

BOOK 2517 PAGE 730

50

15-1254 C 50 of 55

WHEN RECORDED RETURN TO Board of Supervisors Office

<u>CERTIFICATE</u> OF ACCEPTANCE

THIS IS TO CERTIFY that the interest in real property conveyed by the Grant Deed dated December 18, 1985, from Christine A. Sanders, a married woman as her sole and separate property, and Verne G. Sanders, Jr., Trustee of the Barbara Perry Trust, by document entitled "Norman and Hazel Henningsen Children and Grandchildren Trusts", dated July 15, 1975, to the COUNTY OF EL DORADO, a political subdivision of the State of California, is hereby accepted by order of the Board of Supervisors of the County of El Dorado on December 10, 1985, and the grantee consents to the recordation thereof by its duly authorized officer.

DATED this 19th day of <u>December</u>, 1985. COUNTY OF EL DORADO By <u>Robert & Dor</u> Chairman Board of Supervisors

ATTEST:

ίć

BILLIE MITCHELL, County Clerk and ex officio Clerk of the Board of Supervisors

By: (Bette) Culp Deputy Clerk



15-1254 C 51 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division COST ESTIMATE

HLP River Parkways Grant Cost Estimate

| Description | Units | Qty | Unit Cost | Subtotal |
|---|--|---|---|---|
| General Construction | Contraction of the second second | | | A 40 000 00 |
| Mobilization & demobilization | LS | 1 | | \$40,000.00 |
| Clearing and grubbing | LS | 1 | | \$5,000.00 |
| Layout and staking | LS | 1 | | \$10,000.00 |
| Erosion Control | LS | 1 | | \$10,000.00 |
| subtotal General | costs | | | \$65,000.00 |
| Restoration Site A, level high-use picnic area w | CARLE THE CONTRACTOR AND | | | |
| Stablized Decomposed Granite | SF | 1000 | \$12.00 | \$12,000.00 |
| Boulders and Cobble | LS | 1 | \$18,000.00 | \$18,000.00 |
| Restoration plantings, trees, 15 gal | EA | 6 | \$150.00 | \$900.00 |
| Restoration plantings, shrubs, 1 gal | EA | 25 | \$15.00 | |
| Irrigation system, drip | SF | 500 | \$3.00 | \$1,500.00 |
| Picnic tables | EA | 6 | \$2,000.00 | \$12,000.00 |
| subtotal | | | | \$44,775.00 |
| Restoration Site B, close existing access | North and the second of the second period of the second se | and your best such that the | c, Priority C \$2,000.00 | \$2,000,00 |
| Boulders and grading | LS EA | 1 | | \$2,000.00 |
| Destanting algorithms, should a set | | 10 | \$15.00 | \$150.00 |
| Restoration plantings, shrubs, 1 gal | 11 | | | 0000 00 |
| Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal | SF Site B ccess point, LS EA | 100 10' vei 1 20 | \$3.00 | \$14,000.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip | SF Site B ccess point, LS EA SF | 100 10' ve i 1 | \$3.00 tical, Priority \$14,000.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal | SF Site B ccess point, LS EA SF | 100 10' vei 1 20 | \$3.00 tical, Priority \$14,000.00 \$15.00 | \$2,450.00 B \$14,000.00 \$300.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip | SF Site B ccess point, LS EA SF Site C | 100 10' ver 1 20 180 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading | SF Site B ccess point, LS EA SF Site C | 100 10' ver 1 20 180 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access | SF Site B ccess point, LS EA SF Site C to pedetrian | 100 10' ve r 1 20 180 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$2,000.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading Restoration plantings, shrubs, 1 gal Irrigation system, drip | SF Site B Ccess point, LS EA SF Site C to pedetrian LS EA SF | 100 10' vei 1 20 180 180 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$14,840.00 \$150.00 \$150.00 \$270.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading Restoration plantings, shrubs, 1 gal | SF Site B Ccess point, LS EA SF Site C to pedetrian LS EA SF | 100 10' vei 1 20 180 180 1 traffie 1 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$2,000.00 \$150.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium | SF Site B Scess point, EA SF Site C to pedetrian LS EA SF Site D | 100 10' ver 1 20 180 • traffic 1 10 90 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$14,840.00 \$150.00 \$270.00 \$270.00 \$2,420.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium a Boulders and cobble | SF Site B Scess point, EA SF Site C to pedetrian LS EA SF Site D Site D | 100 10' vei 1 20 180 traffi 10 90 , 14' v 1 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal | SF Site B ccess point, EA SF Site C to pedetrian LS EA SF Site D access point LS EA | 100 10' vei 1 20 180 traffi 1 10 90 , 14' v 1 56 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 ertical, Priorit \$20,000.00 \$15.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 \$840.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip | SF Site B Cess point, LS EA SF Site C to pedetrian LS EA SF Site D access point LS EA SF | 100 10' vei 1 20 180 traffi 10 90 , 14' v 1 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$150.00 \$270.00 \$270.00 \$2,420.00 \$2,420.00 \$840.00 \$840.00 \$2,250.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site D, close existing access Boulders and grading Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal | SF Site B Cess point, LS EA SF Site C to pedetrian LS EA SF Site D access point LS EA SF | 100 10' vei 1 20 180 traffi 1 10 90 , 14' v 1 56 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 ertical, Priorit \$20,000.00 \$15.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 \$840.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal | SF Site B Scess point, EA SF Site C to pedetrian LS EA SF Site D access point LS EA SF Site E | 100 10' vei 1 20 180 traffi 10 90 , 14' v 1 56 750 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 ertical, Priorit \$20,000.00 \$15.00 \$3.00 c, Priority C | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 \$2,420.00 \$840.00 \$2,250.00 \$2,250.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal | SF Site B cess point, EA SF Site C to pedetrian LS EA SF Site D access point LS EA SF Site E Site E | 100 10' vei 1 20 180 traffi 1 10 90 , 14' v 1 56 750 n traffi 1 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 ertical, Priorit \$20,000.00 \$15.00 \$3.00 (c, Priority C \$2,000.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 \$2,250.00 \$2,250.00 \$2,250.00 \$2,250.00 \$2,000.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal | SF Site B Cess point, LS EA SF Site C to pedetrian LS EA SF Site D access point LS EA SF Site E Site E | 100 10' vei 1 20 180 1 10 90 , 14' v 1 56 750 n traffi 1 10 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 ertical, Priorit \$20,000.00 \$15.00 \$3.00 c, Priority C | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 \$840.00 \$2,250.00 \$2,250.00 \$2,250.00 \$2,000.00 |
| Irrigation system, drip subtotal Restoration Site C, improve existing small ac Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration Site E, improve existing medium Boulders and cobble Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Restoration plantings, shrubs, 1 gal | SF Site B Cess point, EA SF Site C to pedetrian LS EA SF Site D Access point LS EA SF Site E Site E to pedestrian LS EA | 100 10' vei 1 20 180 traffi 1 10 90 , 14' v 1 56 750 n traffi 1 | \$3.00 tical, Priority \$14,000.00 \$15.00 \$3.00 c, Priority C \$2,000.00 \$15.00 \$3.00 ertical, Priorit \$20,000.00 \$15.00 \$3.00 (c, Priority C \$2,000.00 | \$2,450.00 B \$14,000.00 \$300.00 \$540.00 \$14,840.00 \$14,840.00 \$150.00 \$270.00 \$2,420.00 \$2,420.00 \$2,250.00 \$2,250.00 \$23,090.00 \$150.00 |

15-1254 C 52 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division COST ESTIMATE

| Boulders and cobble | LS | 1 | \$24,000.00 | \$24,000.00 |
|---|--|---|--|---|
| Restoration plantings, shrubs, 1 gal | EA | 64 | \$15.00 | \$960.00 |
| Irrigation system, drip | SF | 750 | \$3.00 | \$2,250.00 |
| subtotal Site | G | | | \$27,210.00 |
| Restoration Site H, improve existing medium acc | Constant and the Constant and the second second | , 20' ve | | |
| Boulders and cobble, medium access point, 20' high | LS | 1 | \$26,000.00 | \$26,000.00 |
| Handrail | LF | 60 | \$75.00 | \$4,500.00 |
| Restoration plantings, shrubs, 1 gal | EA | 80 | \$15.00 | \$1,200.00 |
| Irrigation system, drip | SF | 970 | \$3.00 | \$2,910.00 |
| subtotal Site | e H | | | \$34,610.00 |
| Restoration Site I, close existing access to p | | n traffic | and the providence of the second seco | |
| Boulders and plantings close existing access | LS | 1 | \$2,000.00 | \$2,000.00 |
| Restoration plantings, shrubs, 1 gal | EA | 10 | \$15.00 | \$150.00 |
| Irrigation system, drip | SF | 140 | \$3.00 | \$420.00 |
| subtotal Sit | te I | | | \$2,570.00 |
| Restoration Site J, close existing access to p | oedestria | n traffic | , Priority C | |
| Boulders and plantings close existing access | LS | 1 | \$2,000.00 | \$2,000.00 |
| Restoration plantings, shrubs, 1 gal | EA | 10 | \$15.00 | \$150.0 |
| restoration plantings, shrubs, i gai | | | φ10.00 | |
| Irrigation system, drip subtotal Site | SF e J | 140 | \$3.00 | \$420.00 \$2,570.0 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces | SF e J ss point, i | 140 20' vert | \$3.00 ical, Priority B | \$420.00 \$2,570.0 0 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble | SF e J ss point, LS | 140 20' vert 1 | \$3.00 ical, Priority B \$28,000.00 | \$420.00 \$2,570.0 \$ \$28,000.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail | SF e J ss point, LS LF | 140 20' vert 1 120 | \$3.00 ical, Priority B \$28,000.00 \$75.00 | \$420.0 \$2,570.0 \$28,000.0 \$9,000.0 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal | SF e J ss point, LS LF EA | 140 20' vert 1 120 146 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 | \$420.0 \$2,570.0 \$28,000.0 \$9,000.0 \$2,190.0 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal | SF e J ss point, LS LF EA EA | 140 20' vert 1 120 146 10 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 | \$420.00 \$2,570.00 \$28,000.00 \$9,000.00 \$2,190.00 \$1,500.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal | SF e J ss point, LS LF EA EA SF | 140 20' vert 1 120 146 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 | \$420.00 \$2,570.00 \$28,000.00 \$9,000.00 \$2,190.00 \$1,500.00 \$4,200.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site | SF e J ss point, LS LF EA EA SF e K | 140 20' vert 1 120 146 10 1400 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 | \$420.0 \$2,570.0 \$28,000.0 \$9,000.0 \$2,190.0 \$1,500.0 \$4,200.0 \$44,890.0 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces | SF e J ss point, LS LF EA EA SF e K ss point, | 140 20' vert 1 120 146 10 1400 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 ical, Priority B | \$420.00 \$2,570.00 \$28,000.00 \$9,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$4,200.00 \$44,890.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble | SF e J ss point, LS LF EA EA SF e K ss point, LS | 140 20' vert 120 146 10 1400 1400 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 | \$420.00 \$2,570.00 \$28,000.00 \$9,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$28,000.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail | SF e J ss point, LS LF EA EA SF e K ss point, LS LF | 140 20' vert 1 120 146 10 1400 1400 18' vert 1 105 | \$3.00 ical, Priority B \$28,000.00 \$15.00 \$15.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 | \$420.00 \$2,570.00 \$28,000.00 \$9,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$28,000.00 \$7,875.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal | SF e J ss point, LS LF EA EA SF e K ss point, LS LF EA | 140 20' vert 1 120 146 10 1400 1400 18' vert 1 105 130 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 | \$420.00 \$2,570.00 \$28,000.00 \$9,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$44,890.00 \$44,890.00 \$1,950.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal | SF e J ss point, LS LF EA EA SF e K ss point, LS LF EA EA | 140 20' vert 1 120 146 10 1400 1400 18' vert 1 105 130 10 | \$3.00 ical, Priority B \$28,000.00 \$15.00 \$15.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$15.00 | \$420.00 \$2,570.00 \$2,570.00 \$2,190.00 \$1,500.00 \$4,200.00 \$4,200.00 \$4,200.00 \$4,200.00 \$4,200.00 \$1,500.00 \$1,950.00 \$1,500.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal | SF e J ss point, LS LF EA EA SF e K ss point, LS LS LF EA EA SF | 140 20' vert 1 120 146 10 1400 1400 18' vert 1 105 130 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 | \$420.00 \$2,570.00 \$2,8,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$44,890.00 \$1,950.00 \$1,950.00 \$1,500.00 \$4,200.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site | SF e J ss point, LS LF EA EA SF e K ss point, LS LF EA EA SF e L | 140 20' vert 1 120 146 10 1400 18' vert 1 105 130 10 1400 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$150.00 \$150.00 \$3.00 | \$420.00 \$2,570.00 \$2,570.00 \$2,9,000.00 \$2,190.00 \$1,500.00 \$44,890.00 \$44,890.00 \$44,890.00 \$1,950.00 \$1,950.00 \$1,500.00 \$4,200.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration plantings, trees, 15 gal | SF e J ss point, LS LF EA EA SF e K ss point, LS LF EA EA SF e L pedestria | 140 20' vert 1 120 146 10 1400 18' vert 1 105 130 10 1400 n traffic | \$3.00 ical, Priority B \$28,000.00 \$15.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$15.00 \$150.00 \$3.00 | \$420.00 \$2,570.00 \$28,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$44,890.00 \$1,950.00 \$1,950.00 \$1,950.00 \$4,200.00 \$43,525.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration plantings, trees, 15 gal Irrigation system, drip | SF e J ss point, LS LF EA EA SF e K ss point, LS LF EA EA SF e L SF e L | 140 20' vert 1 120 146 10 1400 18' vert 1 105 130 10 1400 n traffic 1 | \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$15.00 \$15.00 \$3.00 c, Priority C \$2,000.00 | \$420.00 \$2,570.00 \$2,8,000.00 \$9,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$44,890.00 \$1,950.00 \$1,950.00 \$1,950.00 \$4,200.00 \$43,525.00 \$2,000.00 |
| Irrigation system, drip subtotal Site Restoration Site K, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Irrigation system, drip subtotal Site Restoration Site L, improve existing large acces Boulders and cobble Handrail Restoration plantings, shrubs, 1 gal Restoration plantings, trees, 15 gal Irrigation system, drip subtotal Site Restoration plantings, trees, 15 gal | SF e J ss point, LS LF EA EA SF e K ss point, LS LF EA EA SF e L pedestria | 140 20' vert 1 120 146 10 1400 18' vert 1 105 130 10 1400 n traffic | \$3.00 ical, Priority B \$28,000.00 \$15.00 \$15.00 \$150.00 \$3.00 ical, Priority B \$28,000.00 \$75.00 \$15.00 \$15.00 \$150.00 \$3.00 | \$420.00 \$2,570.00 \$28,000.00 \$2,190.00 \$1,500.00 \$4,200.00 \$44,890.00 \$44,890.00 \$1,950.00 \$1,950.00 \$1,950.00 \$4,200.00 \$43,525.00 |

| Plans, Specifications | and Estimates | | | |
|-------------------------------------|---------------|---|-------------|-------------|
| Construction plans & specifications | LS | 1 | \$75,000.00 | \$75,000.00 |
| Hydrologic/Hydraulic study | LS | 1 | \$8,000.00 | \$8,000.00 |
| Arborist survey | LS | 1 | \$4,000.00 | \$4,000.00 |

15-1254 C 53 of 55

CALIFORNIA RIVER PARKWAYS AND GRANT PROGRAM Grant Application submitted by County of El Dorado, Parks Division COST ESTIMATE

| Topographic survey | LS | 1 | \$12,000.00 | \$12,000.00 |
|---|----|---|-------------|--------------|
| SWPPP Development | LS | 1 | \$5,000.00 | \$5,000.00 |
| Geotechnical survey | LS | 1 | \$8,000.00 | \$8,000.00 |
| Construction management services | LS | 1 | \$26,000.00 | \$26,000.00 |
| subtotal, PS&E | | | | \$138,000.00 |
| Permits | | | | |
| Clean Water Act (404) Permit | LS | 1 | \$14,000.00 | \$14,000.00 |
| Water Quality Certification (401) Permit | LS | 1 | \$4,000.00 | \$4,000.00 |
| Streambed Alteration Agreement | LS | 1 | \$4,000.00 | \$4,000.00 |
| Pre-construction & construction environmental surveys | LS | 1 | \$15,000.00 | \$15,000.00 |
| SWPPP Monitoring | LS | 1 | \$10,000.00 | \$10,000.00 |
| County Tree Permit | LS | 1 | \$2,000.00 | \$2,000.00 |
| subtotal, Permits | | | | \$49,000.00 |

TOTAL

-

\$500,000.00

15-1254 C 54 of 55

7. PROJECT PERMIT/APPROVAL STATUS List is not all inclusive. It is Grantee's responsibility to comply with all applicable permits.

| Permitting Agency | Type of Requirement | Required? | Applied? | Acquired? | Date Anticipated |
|---|---|-----------------------|---------------------------|-----------|---------------------|
| State Agencies: | | L | L | | |
| California Department of Fish and Game | Streambed Alteration Agreement Permit (Section 1600) | d | | | |
| California Department of Fish and Game | Incidental Take Permit | | | | |
| CalTrans | Encroachment Permit | | | | |
| Coastal Commission | Coastal Development Permit | | | | |
| Coastal Commission | Letter of Consistency | | | | |
| Regional Water Quality Control Board | 401 Water Quality Certification or Waste Discharge Requirement | D | | | |
| State Water Resources Control Board | Water Rights Permit | | | | |
| State Water Resources Control Board | General Industrial Storm Water Permit | | | | |
| Central Valley Flood Protection Board | Permission to Encroach on Waterways within Designated Floodways | | | | |
| State Lands Commission | Permit required if using State owned property | | | | |
| State Office of Historic Preservation | Cultural Resources-Submission of findings to State Historic Preservation Officer (National Historic Preservation Act, Section 106) | | | | |
| Federal Agencies | A description of the second | and the second second | ay a said a said gan da s | | |
| U.S. Fish and Wildlife Service (USFWS) | Section 7 consultation if federal nexus (see ACOE), or Section 10 Permit | | | | |
| U.S. Army Corps of Engineers (ACOE) | Clean Water Act, Section 404 Permit, will consult w/USFWS & NMFS Section 7 | Ø | | | |
| U.S. Army Corps of Engineers | Rivers and Harbors Act, Section 10 Permit | | | Ļ | |
| U.S. Coast Guard / U.S. Army Corps of Engineers | Rivers and Harbors Act, Section 9 Permit | | | | |
| U.S. National Resources Conservation Service | Consultation | | | | |
| National Marine Fisheries Service (NMFS) | Section 7 consultation if federal nexus see ACOE, or Section 10 Permit | | ·□ | | |
| Local and Regional Planni | ng Agencies | 1 | | | |
| City/County | Grading Permit | | | | |
| City/County | Environmental Health Department | | | | |
| San Francisco Bay Conservation and Development Commission | Any relevant permit | | | | |
| Tahoe Regional Planning Agency | Any relevant permit | | | | |
| Local Resource Conservation District | Consultation | | | | |
| Flood Control Districts | Floodway & Hydrological Analysis | 9 | | | |
| Others (List): | COUNTY TREE PERMIT | | | | |
| | ACOE SECTION FOY | | | - | |
| | The office of | | .L | | - |

15-1254 C 55 of 55