



3.16

DEPARTMENT OF
PARKS AND RECREATION

DEPARTMENT OF
PLANNING AND BUILDING

CITY OF SACRAMENTO
CALIFORNIA

1231 I STREET, #400
SACRAMENTO, CA
95814-2702

October 5, 2004

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: APPROVE A TRANSFER OF FUNDS AND AWARD A SOLE SOURCE PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$568,875.63 TO JONES & STOKES ASSOCIATES FOR THE WALT UEDA PARKWAY CIP (PN: HB16), APPROVE THE MITIGATED NEGATIVE DECLARATION AND ADOPT THE MITIGATION REPORTING PLAN.

LOCATION AND COUNCIL DISTRICT: Council Districts 1 and 2

RECOMMENDATION:

This report recommends that Council, by resolution (page 6):

- Award a sole source professional services agreement in the amount of \$568,875.63 to Jones and Stokes Associates for the Walt Ueda Parkway CIP (PN: HB16);
- Approve the transfer of funds and close CIP (PN:HC01) of \$56,910 and the transfer of funds of \$50,000 from Quimby Fund 710 to the Walt Ueda Parkway Project CIP (PN: HB16).
- Approve the preliminary design and direct staff to proceed with final design and preparation of construction documents; and
- Approve the Mitigated Negative Declaration and adopt the Mitigation Reporting Plan for the Walt Ueda Parkway project.

CONTACT PERSON: Janet Baker, Park Development Manager, 808-8234
Teresa Haenggi, Parks and Recreation Planner, 808-7554

FOR COUNCIL MEETING OF: October 26, 2004 (afternoon session)

SUMMARY:

This report requests authorization to enter into a sole source professional services agreement with Jones & Stokes Associates to allow its continued work on developing the construction documents and providing a right-of-way engineering study on the Ueda Parkway project.

COMMITTEE/COMMISSION ACTION:

No action has been taken at this time. However, the Parks and Recreation Citizen's Advisory Committee has and will be updated on this project at various milestones as this project moves towards completion.

BACKGROUND INFORMATION:

The Park Planning, Design, and Development Section (PPDD) of the Department of Parks and Recreation is responsible for the development of off-street recreation trails. The Walt Ueda Parkway is an important part of a regional trail system that offers both recreation and commuter opportunities. This parkway consists of approximately 12.5 miles of paved recreation trails that are mostly on the crown of levees and offers visual access to the natural habitat of Steelhead, Arcade, Dry and Robla Creeks. The project also has approximately 3.5 miles of non-paved trail in the Hansen Ranch area which is a natural setting that includes Dry Creek, Robla Creek, wetlands and oak woodlands. The Ueda Parkway's purpose is to integrate a recreation trail within creek corridors in the northern area of Sacramento, thereby providing key connections to the popular American River Parkway and the Dry Creek Parkway, further linking Downtown, Natomas, and established neighborhoods in the region north of the American River. This trail also provides a significant leg to a 70 mile regional trail loop that extends to Placer County, through Folsom, and to the American River Parkway. Phase 1 of this trail will be approximately 4 miles of paved trail and the entire non-paved trail. Exhibit "A" shows the trail alignments and Phase I of Ueda Parkway.

While this project offers strong recreation and commuter opportunities, it is a complex project that crosses multiple neighborhoods and jurisdictions. The design of the project must take many factors into consideration, including sensitive habitat, natural amenities, ramps that are ADA accessible, appropriate access to neighborhoods, and a flood control infrastructure that includes levees and flood easements. Additionally, there are many regulatory agencies who are participating in the design of this project who identified the need to developed the construction documents that offer more engineering detail in order to assure the project does not compromise the integrity of the flood management system.

Jones & Stokes Associates originally began work on the Ueda Parkway Project for the U.S. Army Corps of Engineers in 1997. The original contract with the Corp of Engineers was awarded through an Indefinite Delivery Order (IDO) for Landscape Architectural Services. The IDO was competitively bid and the criteria for the proposal included: Specialized experience and technical competence; past performance on previous contracts; qualified professional personnel in specific disciplines (e.g. civil engineering, project management); and extent of participation of small businesses, small disadvantaged businesses, and woman and minority-owned businesses.

The City of Sacramento assumed responsibility for the continued development of the construction documents for the project and in year 2001 contracted with Jones and Stokes Associates to capitalize on the efficiencies of their institutional project knowledge and technical expertise. The City first contract with Jones and Stokes Associates brought the construction documents up to approximately 70% completion. During the development of the construction documents it was discovered that additional survey work was required to provide the detail needed for engineering documents.

Jones and Stokes Associates has been the only consistent factor throughout the duration of the project. Since the City has accepted responsibility for this project there have been several department and staff changes. This has caused the project management of this project to be inconsistent and has lengthened its time schedule. JSA has been critical in keeping this project viable and without JSA, the City would lose much of the project's historic and technical background. The Parks and Recreation Department requires the continued services of Jones & Stokes Associates because of its technical expertise, knowledge of the history and issues of the projects and the relationships that they have developed with the numerous jurisdictional entities involved.

The proposed contract with JSA will include the survey work and the completion of the construction documents. Additionally, the proposed contract includes a right-of-way engineering study. This last task was folded into the scope of the Jones & Stokes contract because both the survey work and the right-of-way (ROW) study tasks have shared technical requirements. Also, the survey will provide an exact alignment of the trail which will inform the ROW study of the effected parcels. A detailed scope of services is attached (Exhibit "B"). This proposal conforms to the City's sole source policy's criteria because it offers the continuation of existing work.

This project is funding by federal funds (Congestion Mitigation and Air Quality and Transportation Enhancement Activity funds), local funds (Transportation Development Act and the South Natomas Fund), and state grants (EEMP, Proposition 12, and Riparian and Riverine Enhancement grants). The planning and design phase of this project has a funding gap; therefore, staff is requesting this gap be filled by the Quimby fee fund and the defunding of HC01.

The preliminary design and Negative Declaration and Mitigation Reporting Plan are completed. A copy of the Mitigation Reporting Plan is attached (Exhibit "C").

FINANCIAL CONSIDERATIONS:

The transfer of funds from CIP PN HC01 and from Quimby Fund 710 will ensure adequate funds for this phase of the project.

ENVIRONMENTAL CONSIDERATIONS:

On October 13, 1999, a Mitigated Negative Declaration was approved and a Mitigation Reporting Plan was adopted by City Council. Since the time of the approval, a new potentially significant impact (involving a biological resource) that was not discussed in the 1999 Mitigated Negative Declaration triggered the need to prepare a new Mitigated Negative Declaration, pursuant to CEQA Guidelines Section 15162.

Subsequently, a new Mitigated Negative Declaration was prepared by the City's Development Services Department, Environmental Planning Services staff. In compliance with Section 15070(B)1 of the California Environmental Quality Act (CEQA) Guidelines, the City has incorporated mandatory mitigation measures into the project plans to avoid identified impacts or to mitigate such impacts to a point where clearly no significant impacts will occur. These mitigation measures are included in the attached Mitigation Monitoring and Reporting Plan and address impacts to Seismicity, Soils and Geology, Air Quality, Biological Hazards, and Cultural Resources.

The Mitigated Negative Declaration was distributed through the State Clearinghouse (SCH# 200303032097) and was available for public review during the period of March 20, 2003 through April 18, 2003. Three public comment letters regarding the project was received during the public review period. The three letters do not require any changes to the Mitigated Negative Declaration. Staff recommends that the City Council adopt the Mitigated Negative Declaration and Mitigation Reporting Plan for the Project.

POLICY CONSIDERATIONS:

This action is consistent with City of Sacramento General Plan Conservation Element, and Smart Growth Principals, to preserve natural beauty and open space, critical environmental areas, promote livable communities, and cultivate recreation opportunities.

ESBD EFFORTS:

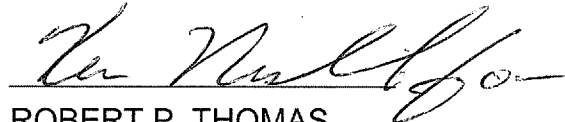
This is a federally-funded project and the Disadvantaged Business Enterprise (DBE) project participation guidelines apply; therefore, the ESBE is held in abeyance. Also, the proposed agreement with Jones and Stokes Associates is a continuance of existing work and Jones & Stokes as demonstrated a Good Faith Effort to bring DBE participation to the project.

Respectfully submitted,



ROBERT G. OVERSTREET,
Director, Parks and Recreation

RECOMMENDATION APPROVED:



ROBERT P. THOMAS
City Manager

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RESOLUTION NO.

ADOPTED BY THE CITY OF SACRAMENTO

ON DATE: _____

APPROVE A TRANSFER OF FUNDS AND AWARD A SOLE SOURCE PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$568,875.63 TO JONES & STOKES ASSOCIATES FOR THE WALT UEDA PARKWAY CIP (PN: HB16), APPROVE THE MITIGATED NEGATIVE DECLARATION AND ADOPT THE MITIGATION REPORTING PLAN

WHEREAS, the City of Sacramento conducted an Initial Study to determine if the City's Ueda Parkway Project (Project) may have a significant effect on the environment;

WHEREAS, the Initial Study concluded that the Project will not cause any significant adverse effects on the environment, and a Mitigated Negative Declaration was therefore prepared for the Project;

WHEREAS, a Mitigation Reporting Plan was prepared for ensuring compliance and implementation of the mitigation measures as prescribed in the Initial Study for the Project; and

WHEREAS, the Initial Study and proposed Mitigated Negative Declaration for the Project were circulated for public review in accordance with the California Environmental Quality Act (CEQA) Guidelines Section 15073;

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

The City Council hereby:

- Awards a sole source professional services agreement in the amount of \$568,875.63 to Jones and Stokes Associates for the Walt Ueda Parkway CIP (PN: HB16);
- Approves the transfer of funds (\$56,910) and close CIP (PN:HC01) and the transfer of funds of \$50,000 from Quimby Fund 710 to the Walt Ueda Parkway Project CIP (PN: HB16);
- Approves the preliminary design and direct staff to proceed with final design and preparation of construction documents;

FOR CITY COUNCIL USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____

- Considers the Mitigated Negative Declaration together with the Mitigation Reporting Plan;
- Approves the Mitigated Negative Declaration prepared for the Project and finding on the basis of the Initial Study that there is no substantial evidence that the Project, including the identified mitigation measures, will have a significant effect on the environment; and
- Approves and adopts the Mitigation Reporting Plan for the Project, to ensure compliance with specified mitigation measures during Project implementation.

MAYOR

ATTEST:

CITY CLERK

FOR CITY COUNCIL USE ONLY

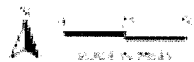
RESOLUTION NO.: _____

DATE ADOPTED: _____

Exhibit A



UEDA PARKWAY IMPLEMENTATION
CITY OF SACRAMENTO
DEPARTMENT OF PARKS AND RECREATION



TRAIL LEGEND

- PHASE I TRAIL — PHASE I
- - - PHASE II TRAIL — PHASE I
- FUTURE TRAIL — FUTURE PHASE

Exhibit B

SCOPE OF WORK

ATTACHMENT 1 TO EXHIBIT A

Construction Document Services

A. Draft

Description

This task consists of 5 subtasks in response to comments received to-date:

- A.1 prepare revisions to the construction drawings
- A.2 prepare revisions to the construction specifications
- A.3 prepare revisions to the construction cost estimate
- A.4 conduct project management
- A.5 provide quality control and review

The Jones & Stokes Team will develop the construction documents in accordance with the guidance received to-date from the City in response to comments on the previous iteration of the construction documents, as recorded in the comment tracking table and in this proposal. The Jones & Stokes Team will deploy staff resources to conduct these subtasks under the following breakdown.

Jones & Stokes will act as the prime consultant and be responsible for the overall design, development of the construction document package, project management, and coordination with the City, SAFCA, and other involved parties. Jones & Stokes will stamp and sign the construction documents as the landscape architect-of-record (licensed by the State of California).

Psomas will serve as the surveyor-of-record and right-of-way engineer. In this capacity, Psomas will provide new topographical base mapping and parcel information to facilitate arrangements for rights-of-way and easements affected by project construction and operations. Psomas will stamp and sign the construction documents as the surveyor-of-record (licensed by the State of California). Detailed scopes for these services are enclosed.

Northwest Hydraulic Consultants (NHC) will provide hydraulic analysis and design associated with crossings, drainage, and slope protection. NHC's scope for the primary project is focused on undercrossings at El Camino Avenue, Main Avenue, and Rio Linda Boulevard. A professional engineer (licensed by the State of California) with NHC will stamp and sign the construction documents.

HDR Engineering will provide structural engineering for details associated with retaining walls and footings for crossings. HDR's scope for the primary project is focused on crossings near El Camino Avenue and at Dry Creek, as well as retaining walls

at El Camino Avenue and the C-1 Canal crossing. A professional engineer (licensed by the State of California) with HDR will stamp and sign the construction documents.

Kleinfelder will provide geotechnical engineering in support of specifications for footings, foundations, earth fill, and the trail cross section. As the analysis provided by Kleinfelder will be used in the design conducted by others on the Jones & Stokes Team, it is not anticipated that Kleinfelder will stamp and sign the construction documents.

Bridgetek will provide design and engineering for concrete low-flow crossings. Bridgetek's scope for the primary project is focused on crossings near El Camino Avenue and at Dry Creek. The crossings will be designed to be single-span, low-profile, hydraulically smooth, low-maintenance, and flood-resistant crossings. A professional engineer (licensed by the State of California) with Bridgetek will stamp and sign the construction documents.

Deliverables

- thirty (30) full-size reproductions of the construction drawings and specifications
- one (1) half-size set of the construction drawings
- construction cost estimate and schedule of value
- comment tracking table
- supplemental engineering reports (according to the attached subconsultant scopes)
- electronic files of previously completed work (January 2002 AutoCAD files)
- quality control checklist

B. Final

Description

This task consists of 5 subtasks, subsequent to the work conducted for the draft:

- B.1 prepare revisions to the construction drawings
- B.2 prepare revisions to the construction specifications
- B.3 prepare revisions to the construction cost estimate
- B.4 conduct project management
- B.5 provide quality control and review

This task will include final revisions to the construction document package as dictated by comments received on the draft. The Jones & Stokes Team will complete the construction document package to the satisfaction of the City according to the terms and conditions of the contract and this scope of work. The objective outcome of the final construction document package will be to result in complete, approved, stamped, and signed construction documents that are suitable for public bid.

March 19, 2004

10 of 10

Deliverables

- thirty (30) full-size reproductions of the construction drawings and specifications
- one (1) half-size set of the construction drawings
- construction cost estimate and schedule of value
- comment tracking table
- one (1) reproducible mylar set of final stamped and signed construction drawings
- one (1) unbound camera-ready set of specifications
- electronic files of all work products
- quality control checklist

Surveyor-of-Record Services

Please see enclosed scope of work.

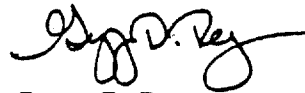
Right-of-Way Engineering Services

Please see enclosed scope of work.

CONCLUSION

The Jones & Stokes Team is pleased to assist the City in implementing the Ueda Parkway. Please note that this scope includes the attached scopes for surveyor-of-record and right-of-way engineering services. Detailed scopes for other subconsultants will be prepared upon acceptance of this overall proposal and as part of the contracting process. Please call Chris Elliott, project manager, at 916/737-3000 (or celliott@jsanet.com) if you have any questions.

Sincerely,



Gregg D. Roy
Principal-in-Charge

Attachment 1
to
Exhibit A

Subconsultant Proposal

Surveyor-of-Record and Right-of-Way Engineering Services

Psomas

**Proposal for
Surveyor-of-Record and Right-of-Way Engineering Services
for the Ueda Parkway Project**

**Psomas
March 2004**

I. AERIAL PHOTOGRAPHY, SURVEYS AND BASE MAPPING:

A. Aerial Ortho Imagery And Ground Control:

Black & white aerial imagery will be flown as background for the design plans. The aerial photography will be flown at 1:3600 photo scale and scanned at 9 micros for producing 1"=40' digital orthophotography (3" pixels). Although the data will not be used for the initial phase, the aerial photography will include coverage of Optional Segments #1 and #2 as well (as shown on the attached color photo). Aero triangulation will be performed to save field time in placing more targets and to allow for preparation of the ortho imagery. Psomas will utilize our Caltrans-certified DBE subconsultant, I. K. Curtis, for the aerial photography portion of this project. Break lines will be produced for the preparation of the ortho photography. Digital orthophotography for the project area(s) will be delivered in TIFF format with corresponding TFW files which orient the TIFF files to the line work of the data generated by ground surveys when the TIFF files are cross-referenced or inserted into the base mapping. The mapping and imagery will be delivered in manageable segments for ease of use by the design team. Though aerial mapping is not a part of the scope of this proposal, if the client desires, aerial mapping can be performed at a later date from this aerial photography (thus yielding economy and efficiency). It may be possible to offer the data to a third-party agency at a fee payable to the City of Sacramento as the owner of the data.

The limits and extents of the aerial imagery to be produced for Primary Project #1 and #2 are shown on the document prepared by Jones & Stokes entitled, "Ueda Parkway, Scope of Topographic Survey for Construction Documents, dated December 2002 and revised August 6, 2003."

Psomas and Precision Land Surveys, our DBE-certified subconsultant for surveys, will set and measure aerial control targets for Primary Project #2 and, if selected, Primary Project #1. All survey and aerial control for the project will be based on California State Plane Coordinates NAD 83 for horizontal coordinates with elevations based on National Geodetic Vertical Datum 1929 (NGVD 29). This will make the mapping fully compatible with SAFCA projects (including existing right of way lines that have been resolved by Psomas during their SAFCA tasks).

During the surveying process, Psomas will coordinate daily access for their surveyors to the properties as needed. Since various consultants on this project may require access to the affected private ownership parcels, we understand the City will prepare the way initially by sending out notice letters.

Aerial Photography Services include:

1. Secure new black and white 1:3600 aerial photography
2. Aerial triangulation of the photography to reduce field aerial control costs.
3. High precision scans of all the aerial photography.
4. Digital files of the aerial control containing x, y, and z coordinates for the aerial control.
5. Creation of breaklines for the digital ortho photo process.
6. Digital orthophotography production

B. Ground Topographic Surveys And Mapping:

Psomas surveyors will perform conventional topographic surveys of the areas marked by Jones & Stokes on their drawings entitled "Ueda Parkway, Scope of Topographic Survey for Construction Documents, dated December 2002 and revised August 6, 2003."

For Primary Project #1, Psomas will perform conventional topographic surveys of the following areas:

1. East levee of Steelhead Creek from 300 feet westerly of the junction of Steelhead Creek and the Arden-Garden connector to 650 feet north of West El Camino Avenue. (from waterside toe of levee to landside toe of levee)
2. West levee of Steelhead Creek from 350 feet southerly of West El Camino Avenue to 450 feet northerly of Sotnip Road. (from waterside toe of levee to landside toe of levee)
3. Seven (7) nodal areas where detailed topographic surveys are needed. (location and extents shown on referenced markup) Psomas will utilize survey control and bridge data obtained in surveys for SAFCA and measure the additional features required for this project. This data will be reduced and added to the base mapping and/or imagery for use by the project design team.

Mapping of the conventional survey data will be prepared in AutoCAD/LDD3 2002 format and will include all features surveyed, DTM, and 1-foot contours.

For Primary Project #2, Psomas will perform conventional topographic surveys on four (4) nodal areas designated on said referenced markup. Additionally survey control will be established along the equestrian trail route for use during subsequent construction of the trail.

Utilizing utility data researched by others and our own staff in coordination with Jones & Stokes, Psomas will locate visible surface utilities facilities along Primary Project #1 while performing the topographic surveys of the levee. For Primary Project #2, Psomas will coordinate with Jones & Stokes regarding areas of potential utilities conflicts. Utility potholing services are not included in this scope of services.

C. Survey Control & Project Baselines:

Survey control points will be set along the project route for use in the ground surveys and construction stage of the project. The intent will be to set intervisible control that will last the duration of the project to maintain coordinate consistency and facilitate the construction process. The survey control will be related to the stationing of the project baselines so that improvements can be constructed in an efficient, cost-effective manner.

Psomas surveyors will work with Jones & Stokes to determine a baseline system for the project to be used during the design and construction phases of the project. Baselines will be established for the areas/options that are selected by the City (see attached color photo exhibit of various segments and options).

Psomas will add the existing property lines of the adjacent properties per the SAFCA mapping for orientation purposes. These will be refined as needed during the right of way tasks of this project.

D. Coordination:

Psomas has included up to 3 in-person meetings and additional telephone conversations with the City and its design consultant during use of the above survey information during preparation of the base plans for the construction drawings. This coordination time includes discussions with Jones and Stokes regarding baseline determination and stationing for the mapping project.

E. Additional Stipulations:

Psomas will provide all necessary insurances to cover their work.

F. DBE Utilization Goal:

Psomas is committed to meeting the 25% DBE goal for the portion of services we provide for this project. To meet this goal, we are utilizing I.K. Curtis, a Caltrans-certified DBE subconsultant, for the aerial photography performed on this project and Precision Land Surveys, a City of Sacramento-certified DBE, to supplement our field operations

G. Deliverables:

1. Four sets of 9"x9" aerial black & white contact prints (Psomas to retain one of the sets which will be marked and used as a working set.)
2. One composite AutoCAD/LDD3 20002 .DWG file of the base mapping for ground surveys, including the DTM.
3. TIFF files and TFW files of the digital orthophotography with 3" pixels for the selected project area.

H. Base Mapping Exclusions:

1. Color aerial photography
2. "Cutting" individual sheets for the plans. It is understood that Jones & Stokes will utilize the seamless mapping product to cut the sheets as best fits their design.
3. Hard copy plots of the mapping
4. Boundary surveys
5. Hard copy plots of the digital orthophotography

II. RIGHT OF WAY ENGINEERING:

Psomas will perform the following surveying and right of way tasks:

Task 1: Obtain the designed trail right of way layout information from Jones & Stokes superimposed on the base mapping and existing right of way linework. This product will form the basis for determining where right of way acquisitions will be needed. It is assumed that Psomas has enough resolved boundary information from our prior work with SAFCA without needing additional boundary surveys. Thus, no field surveys are included for boundary resolution.

- a) **Utilize City-supplied, current preliminary title reports and support documents for the affected properties.** We will review the deeds and plot the encumbrances of the affected properties. Document references will be included in the base mapping as well.
- b) **Meet with design and City Real Estate team to review possible areas where right of way changes might be required.** This information will be utilized to refine the right of way acquisitions and temporary construction easement needs.

DELIVERABLES: none for this task

Task 2: Prepare appraisal index maps, legal descriptions and individual parcel exhibits for portions of the project affected by the proposed acquisitions and/or agreements.

- a) **Obtain final right of way acquisition lines** for the recreation trails. This information will include the temporary construction easements that will be required as well. It is assumed that temporary construction easements will be needed for each right of way acquisition.
- b) The **appraisal index maps** will be at 1"=200' scale and show the project rights of way, any proposed temporary construction easements (TCE's), street names and existing visible surface structures shown on the base mapping. The affected parcels will be given a designation and tabulated information on each affected parcel will be shown on the index maps. The tabulated data shown for each parcel will be the assessor's parcel number, owner's name(s), total area, right of way area and TCE area. A key map will show the extent and location of coverage by each index map. The total area of any given parcel will be based on assessor's data unless a complete resolved boundary is available for the whole parcel.
- c) The **acquisition legal descriptions and exhibits** will be prepared for each affected parcel. The legal descriptions and exhibits will follow a format approved by the City of Sacramento Real Estate Services Division. We

anticipate up to 40 legal descriptions and exhibits will be required for this project. The following explains in further detail the information to be included on these appraisal exhibits:

- 1) **Total parcel areas** shown will be based on assessor's acreages unless all boundaries of the parcel have been resolved. If all boundaries have been resolved, the total areas will be based on field-resolved and/or computed boundaries and calculations.
- 2) **The areas to be acquired** will be shown and based on the appropriate resolved parcel lines together with the approved right of way alignment data. The right of way area, remainder area, and TCE area will be shown.
- 3) **Existing and proposed easements and rights of way** will be shown and labeled on the appraisal exhibits.
- 4) **Existing primary features will be shown based on existing base mapping.**
The primary features would include a house, driveway, and fences and are shown for orientation purposes. No field surveys are included to pick up these features where they may not be apparent on existing base mapping.
- 5) Based on the final design, **proposed primary improvements** will be included in the drawing where appropriate.

DELIVERABLES:

- Signed and stamped hard copy of the appraisal index maps for the project.
- Signed and stamped hard copy of the legal descriptions with exhibits of the acquisitions/temporary construction easements for each ownership.
- Prints of the mapcheck calculations for the right of way acquisitions and temporary construction easements for each ownership.
- CD containing the Word .doc files for each legal description and AutoCAD/LDD3 2002 .dwg files for the appraisal maps and legal description exhibits.

Task 3: Prepare legal descriptions and exhibits for up to 5 staging areas. It is assumed that these staging areas can be described per record information or resolved boundaries already available to Psomas. No field surveys are included for this task.

DELIVERABLES:

- Signed and stamped hard copy of the legal descriptions with exhibits for up to 5 staging areas.
- CD containing the Word .doc files for each legal description and AutoCAD/LDD3 2002 .dwg files for the appraisal maps and legal description exhibits.

EXCLUSIONS:

The following services are excluded from the scope of this proposal. If any of these services are needed and authorized by the City of Sacramento, Psomas will perform those services based on an additional negotiated scope and fee.

1. Field marking or preparation of plots showing the landowners where the right of way acquisition is located on their property.
2. Field boundary surveys or resolutions of boundaries along the project route or in the sites noted as staging areas.
3. Any surveying or mapping services not specifically included in the above scope.

Attachment 1
to
Exhibit A

Subconsultant Proposal

Hydraulic Engineering

Northwest Hydraulic Consultants

**Proposal for
Hydraulic Engineering Services
for the Ueda Parkway Project
Northwest Hydraulic Consultants
March 2004**

The following scope of work outlines three main tasks: design of an equestrian undercrossing along Robla Creek at Rio Linda Boulevard; design of project features recommended in **nhc**'s January 11, 2002, hydraulic review memo; and incorporation of review comments on previously completed design work into final plans, specifications and estimates.

Design of Equestrian Undercrossing at Robla Creek and Rio Linda Boulevard

Design Objectives Meeting

nhc will meet with Jones & Stokes and personnel from key agencies such as City of Sacramento, SAFCA, American River Flood Control District and the Parks District to review design objectives at this site.

Surveys and Data Collection

Jones & Stokes will provide **nhc** with an AutoCAD contour base map containing channel and overbank topography extending two bridge lengths upstream of the bridge. **nhc** will specify six cross-section locations to be surveyed in addition to the topography. The base map should also include the locations of utilities, survey benchmarks, roads, upstream and downstream equestrian trail connections, bridge piers and limits of existing rock protection. **nhc** will obtain bridge plans for Rio Linda Boulevard at Robla Creek and search for any additional hydraulic model and flow information.

Design Layout

An equestrian undercrossing will be designed along the north side of Robla Creek at Rio Linda Boulevard. Several significant hydraulic concerns associated with constructing an equestrian trail at this location were noted by **nhc** during a previous site visit. The north bank immediately upstream of the bridge (the proposed location of the trail) is steep and actively eroding. This area will require bank protection to protect the trail and the bridge abutment. Construction of the trail under the bridge will fill much of the low flow channel. The low flow channel and overbanks at and upstream of the bridge may need to be re-contoured to improve flow hydraulics through the bridge once the trail is in place.

A preliminary design layout of the trail and channel modifications will be prepared. This will include a plan view and sections at key locations along both the equestrian trail and channel.

HEC-RAS Models

Two HEC-RAS models will be created to analyze potential hydraulic impacts: one representing existing conditions and one representing the proposed design. Comparison of the HEC-RAS models will show the relative impacts of the trail on streamflow velocities and water surface elevations. Velocities from the HEC-RAS models will be used to size bank and toe stone

protection, and water surface elevations will be compared to determine impacts on bridge capacity.

Bank Protection Design and Scour Analysis

Adding the equestrian trail under Rio Linda Boulevard is expected to affect the location of the low flow channel at the bridge. A review of bridge plans and scour analysis will be done to quantify the risk of scour.

Design Review Meeting and Draft Plans, Specifications and Cost Estimates

The preliminary design will be reviewed with Jones & Stokes and other interested parties, and the review comments will be incorporated into draft plans, specifications and cost estimates.

Final Plans, Specifications and Cost Estimates

Review comments will be incorporated into final plans, specifications and cost estimates. Jones & Stokes will perform final formatting and production of the plans.

Design of Previously Recommended Hydraulic Features

nhc provided Jones & Stokes with a hydraulic review memo on January 11, 2002. Additional hydraulic analysis and design was recommended for a number of areas within the Ueda Parkway project. This work is summarized below.

Bank Protection Along the West Side of Steelhead Creek at W. El Camino Avenue

The proposed pedestrian trail configuration through the West El Camino Avenue bridge opening includes a retaining wall on the creek side. The retaining wall does not appear to be necessary, however, as the existing ground is not being regraded. The proposed retaining wall will also be at risk of failure by undermining from continued erosion along the streambank. Given the current eroded state of the bank and the continued potential for local erosion, **nhc** recommends adding rock protection along the streambank and around the bridge piers. Because the bank is fairly steep, it will likely be necessary to key the rock into the channel bottom.

nhc will design bank protection for the channel under the West El Camino Avenue bridge using velocity and flow depth results from the Steelhead Creek HEC-RAS model completed in late 2001. A plan view and section detail will be prepared for inclusion in the Ueda Parkway plan set; final formatting and production of the plans will be performed by Jones & Stokes. No detailed channel geometry is currently available below the waterline; Jones & Stokes will provide the necessary topography.

Bank Protection at Pedestrian Bridge on Steelhead Creek Upstream of West El Camino Avenue

Scour or bank erosion may occur at the proposed pedestrian bridge on Steelhead Creek upstream of West El Camino Avenue due to the obstruction in flow. Steelhead Creek transports large amounts of debris, and debris collection at the bridge would exacerbate the scour problem. **nhc** will design bank protection at this location using results from the existing Steelhead Creek HEC-RAS model and topography and bridge plans provided by Jones & Stokes. A plan view and section detail of the rock protection design will be prepared for inclusion in the Ueda Parkway plan set; final formatting and production of the plans will be performed by Jones & Stokes.

Equestrian Bridge on Dry Creek Upstream of Steelhead Creek

An equestrian bridge is proposed on Dry Creek approximately 370 feet upstream of the confluence of Dry Creek and Steelhead Creek. Construction of this bridge may cause scour and bank erosion at the site due to constriction of flow through the bridge opening. Collection of debris on the bridge deck could block part or all of the channel, increasing velocities and worsening scour conditions. If debris blocked enough of the channel, flow would leave the channel upstream of the bridge and return to the channel downstream of the bridge, causing additional bank erosion. **nhc** will design bank protection for this bridge and produce plan view and section details using topography and bridge plans provided by Jones & Stokes; final formatting and production of the plans will be performed by Jones & Stokes.

Respond to Review Comments

nhc has already completed preliminary details for rock protection along the pedestrian/bike trail in several locations within the Ueda Parkway project area. **nhc** will attend review meetings, incorporate comments from the review process and prepare final details, specifications and cost estimates. Final formatting and production of the plans will be performed by Jones & Stokes.

Project Tasks

The specific tasks necessary to complete this work are outlined below.

1. **nhc** will design an equestrian undercrossing at Robla Creek and Rio Linda Boulevard
 - a. Meet with Jones & Stokes and SAFCA to review design objectives
 - b. Design layout of trail: plan view, key sections, channel modifications
 - c. Create HEC-RAS models and perform hydraulic analysis of existing conditions and preliminary design
 - d. Design toe and bank protection and perform bridge scour analysis
 - e. Review preliminary design with Jones & Stokes
 - f. Produce equestrian trail undercrossing draft design plans, specifications and cost estimates
 - g. Produce equestrian trail undercrossing final design plans, specifications and cost estimates
2. **nhc** will design previously recommended hydraulic features
 - a. Bank protection design along pedestrian path on west side of Steelhead Creek and West El Camino Avenue
 - b. Bank protection design at pedestrian bridge across Steelhead Creek upstream of West El Camino Avenue
 - c. Bank protection design at equestrian bridge across Dry Creek upstream of Steelhead Creek
3. **nhc** will respond to review comments on previously completed designs
 - a. Incorporate review comments and prepare plans, specifications and cost estimates for draft and final submittals

Attachment 1
to
Exhibit A

Subconsultant Proposal

Structural Engineering

HDR

March 5, 2004

Mr. Chris Elliott
Jones & Stokes Associates
2600 V Street
Sacramento, CA 95818

RE: Ueda Parkway Construction Documents

Dear Mr. Elliott:

In response to your request, HDR submits this proposal to provide structural engineering services consisting finalizing the construction documents for the retaining walls and foundations for the Steelhead Creek at Main Avenue Bridge. Attached is our fee proposal, which is based on the following scope of services:

A. Draft Submittal

HDR will revise our following construction drawings:

General Drawing Revisions
Sheet 17 – Detail Plans: Steelhead Creek at Main Avenue
Sheet 24 – Details: Retaining Wall
Sheet 25 – Details: Retaining Wall

HDR will prepare revise technical specifications and construction cost estimate for our portions of the work described in the above plan sheets.

Deliverables

- One full-size vellum of our construction drawings
- On half-size paper copy of our construction drawings
- One electronic file of our specifications and cost estimate

B. Final Submittal

HDR will revise our construction drawings, specifications and cost estimate as dictated by the draft submittal review comments.

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Recipient's Name
March 5, 2003
10681003
Page 2

Deliverables

- One full-size vellum of our construction drawings
- On half-size paper copy of our construction drawings
- One electronic file of our specifications and cost estimate

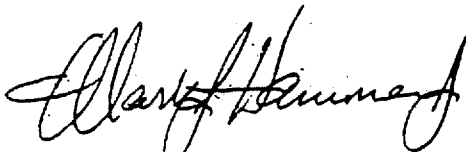
Project Management

HDR will conduct project management for the work we perform, including attending one start-up meeting.

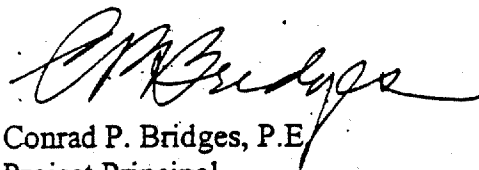
If you have any questions, or need further information, please contact Conrad Bridges, at 916-817-4890. We look forward to continuing our assistance to you on this project.

Sincerely,

HDR ENGINEERING, INC.



Mark Hammer, P.E.
Vice President



Conrad P. Bridges, P.E.
Project Principal

Attachment

Attachment 1
to
Exhibit A

Subconsultant Proposal

Geotechnical Engineering

Kleinfelder

**Proposal for
Geotechnical Engineering Services
for the Ueda Parkway Project
Kleinfelder, Inc.
March 2004**

Kleinfelder, Inc., will provide geotechnical engineering services in support of completion of the Ueda Parkway construction documents. Services may include, but not be limited to:

- design of the pavement cross section for the recreation trail, including review of construction details and specifications;
- design of earthwork features (such as levee ramps), including review of construction details and specifications;
- coordination with design engineers for bridge and wall footings (based on field investigations conducted previously for the project);
- general review of plans, specifications, and construction estimates for the project; and
- coordination with design team members and attendance at project team meetings.

Specific tasks will be mutually agreed upon in writing by Kleinfelder, Inc., and Jones & Stokes. Services will be provided up to the level-of-effort identified in the cost estimate.

Attachment 1
to
Exhibit A

Vendor Proposal

Bridge Engineering

Bridgetek

BRIDGETEK

TO: Chris Elliott
DATE: March 16, 2004
PROJECT: Ueda Parkway Crossings near El Camino Ave. and at Dry Creek
RE: Scope of Service

The following is an engineer's estimate of construction materials. A formal quotation can be issued after obtaining additional details about the project. We will then fabricate the Precast Concrete Bridge Sections as follows, all in accordance with the plans and specifications:

PROPOSED BRIDGE STRUCTURE

Single-span, low-profile, hydraulically smooth, low-maintenance, and flood-resistant crossing.

DESCRIPTION OF SERVICES:

- Installation Drawings
- Foundation Design & Plan
- Structural Calculations
- Product and Installation Specifications
- Submittal Information
- Shop Drawings
- Plans Signed and Stamped by Con/Span

Services Estimate = 2,500.00 or 5% of the structure estimate. Services may be included in the cost of the structure at client option.

NOTE: "TERMS" - Net forty-five (45) days after completion of material production. (NO RETAINAGE). After thirty (30) days from invoicing, a service charge of 1½ percent per month, annual rate of 18 percent will be imposed on the unpaid balance.

Let it be known that the "TERMS and CONDITIONS" become a binding part of this proposal when accepted by the Contractor or Purchaser. BRIDGE TECHNOLOGIES, LLC uses only U.S. domestic materials in the manufacture of its products. We want to thank you for this opportunity to submit our proposal and look forward to the receipt of your order at an early date. NOTE: Sales tax will be charged unless a tax exemption certificate is provided with this contract.

Respectfully submitted,



Mike Farren
 Project Consultant

Corporate 800-344-2102	Buffalo, NY 716-445-8087	Charlotte, NC 704-548-8420	Cincinnati, OH 606-572-9131	Cleveland, OH 440-338-4190
Atlanta, GA 770-518-9005	Columbus, OH 740-362-9818	Fredericksburg, VA 540-899-2295	Harrisburg, PA 717-608-9343	Indianapolis, IN 317-546-7419
New Orleans, LA 504-866-8200	Pittsburgh, PA 412-276-6003	Raleigh, NC 919-359-1038	Sacramento, CA 707-585-9599	Washington DC 703-288-3022

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EXHIBIT B

CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT

FEE SCHEDULE/MANNER OF PAYMENT

1. **CONSULTANT'S Compensation.** The total of all fees paid to the CONSULTANT for the performance of all services set forth in Exhibit A, including normal revisions (hereafter the "Services"), and for all authorized Reimbursable Expenses, shall not exceed the total sum of: Five hundred sixty-eight thousand, eight hundred seventy-five dollars and sixty-three cents (\$568,875.63).

2. **Appropriate Billable Hourly or Daily Rates.**
 - A. Unless payment under this Agreement will be made on a flat fee or lump sum basis, CONSULTANT shall be paid the hourly or daily rates set forth in Attachment 1 to Exhibit B, attached hereto and incorporated herein.

 - B. If payment will be made on a flat fee or lump sum basis, payment shall be made to CONSULTANT as follows: Not Applicable

3. **CONSULTANT'S Reimbursable Expenses.** Reimbursable Expenses shall be limited to actual expenditures of CONSULTANT for expenses that are necessary for the proper completion of the Services and shall only be payable if specifically authorized in advance by CITY.

4. **Payments to CONSULTANT.**
 - A. Payments to CONSULTANT shall be made within a reasonable time after receipt of CONSULTANT'S invoice, said payments to be made in proportion to services performed or as otherwise specified in Section 2.B., above. CONSULTANT may request payment on a monthly basis. CONSULTANT shall be responsible for the cost of supplying all documentation necessary to verify the monthly billings to the satisfaction of CITY.

 - B. All invoices submitted by CONSULTANT shall contain the following information:
 1. Job Name
 2. Description of services billed under this invoice, and overall status of project
 3. Date of Invoice Issuance
 4. Sequential Invoice Number
 5. CITY'S Purchase Order Number
 6. Total Contract Amount
 7. Amount of this Invoice (Itemize all Reimbursable Expenses)
 8. Total Billed to Date
 9. Total Remaining on Contract
 10. Updated project schedule. This shall identify those steps that shall be taken to bring the project back on schedule if it is behind schedule.

conform to the format outlined above shall be returned to CONSULTANT for correction. CITY shall not be responsible for delays in payment to CONSULTANT resulting from CONSULTANT'S failure to comply with the invoice format described below.

D. Requests for payment shall be sent to:

*Parks & Recreation, Parks Planning, Design & Development Division
1231 I Street, Suite 400, Sacramento, CA 95814
Phone: 1-916-264-1923/ Fax: 1-916-264-8266
Attn: Teresa Haenggj*

5. **Additional Services.** Additional Services are those services related to the scope of services of CONSULTANT set forth in Exhibit A but not anticipated at the time of execution of this Agreement. Additional Services shall be provided only when a Supplemental Agreement authorizing such Additional Services is approved by CITY in accordance with CITY'S Supplemental Agreement procedures. CITY reserves the right to perform any Additional Services with its own staff or to retain other consultants to perform said Additional Services.
6. **Accounting Records of CONSULTANT.** CONSULTANT shall maintain for three (3) years after completing of all Services and Additional Services hereunder, all records under this Agreement, including, but not limited to, records of CONSULTANT'S direct salary costs for all Services and Additional Services performed under this Agreement and records of CONSULTANT'S Reimbursable Expenses, in accordance with generally accepted accounting practices, and shall keep such records available for inspection and audit by representatives of the Department of Finance of CITY at a mutually convenient time.
7. **Taxes.** CONSULTANT shall pay, when and as due, any and all taxes incurred as a result of CONSULTANT'S compensation hereunder, including estimated taxes, and shall provide CITY with proof of such payment upon request. CONSULTANT hereby agrees to indemnify CITY for any claims, losses, costs, fees, liabilities, damages or injuries suffered by CITY arising out of CONSULTANT'S breach of this Section 7.

Exhibit C

Ueda Parkway Mitigation Reporting Plan

In January 1989, Assembly Bill 3180 went into effect requiring the City to monitor all mitigation measures included in this Negative Declaration. For this project, mitigation reporting will be performed by the City of Sacramento Department of Parks and Recreation in accordance with the monitoring and reporting program developed by the City to implement AB 3180.

This Mitigation Reporting Plan is being prepared by the Planning and Building, Environmental Planning Services, 1231 I Street, Suite 300, Sacramento, CA 95814, (916) 264-5375, pursuant to the California Environmental Quality Guidelines, Section 21081.

The Department of Parks and Recreation will submit its completed Reporting Plan to the Environmental Planning Services for inclusion in the annual report to the City Council.

Project Number: CIP #HB16

Project Name: Ueda Parkway

Project Location: The project is located along Steelhead Creek, lower Arcade Creek, and Robla Creek in the Natomas basin north of downtown Sacramento. The project site is located in South Natomas, North Natomas, and the North Sacramento Community Plan areas.

Project Description: The proposed project consists of acquiring easements to construct a multi-use paved and unpaved trails, totaling approximately 12 miles. The trails will be located on both the west and east sides of Steelhead Creek and on the north sides of Arcade and Robla Creeks. The proposed project would also include construction of access ramps, bridges, culverts, signs, traffic signals, gates, restrooms, picnic areas, equestrian facilities, bicycle racks, fencing, and landscaping.

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Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
SEIMISCITY, SOILS AND GEOLOGY					
1. Following construction, the area disturbed would be planted with indigenous grasses and other native vegetation to stabilize soil and reduce rainwater runoff in areas disturbed by the project.	After construction	Dept. of Parks & Recreation and Contractor			
2. Vegetation along the sides of the equestrian trail shall be maintained to reduce erosion during use of the trail.	After construction	Dept. of Parks & Recreation and Contractor			

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
WATER					
1. Excavated material shall be disposed or stored away from water sources, and the disposal or storage area shall be graded to minimize surface erosion.	During construction	Dept. of Parks and Recreation and Contractor			
2. Pollutants such as sanitary wastes and petroleum products shall be collected and removed from the job as they accumulate. An emergency spill prevention and countermeasure plan shall be developed prior to construction so that spills can be thoroughly cleaned up in a timely manner, with little impact on water quality. If necessary, chemical toilets shall be used in order to prevent bacterial and nutrient contamination of surface waters.	During construction	Dept. of Parks and Recreation and Contractor			
3. Educate construction workers on proper handling and cleanup of materials, including proper disposal of materials.	Prior to construction	Dept. of Parks & Rec and Contractor			
4. Revegetate areas along the levee temporarily disturbed by project construction to reduce runoff and increase absorption. Reseeding and mulching work shall be completed by October 1 of any year following grading. Any exposed slopes or stream banks shall be stabilized immediately upon completion of construction.	During construction	Dept. of Parks & Rec and Contractor			
5. Construction activities near the water line shall be limited to annual low-flow periods and small sediment catch basins or traps shall be used to minimize impacts to water quality and riparian habitat. Possible basins or traps include filter berms, straw base barriers, filter inlets, vegetative filter strips, and culvert risers (American River Watershed Investigation EIR/EIS, 6-28)	During construction	Dept. of Parks & Rec and Contractor			

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
AIR QUALITY					
1. The developer/contractor shall water exposed soil with adequate frequency to keep soil moist at all times.	During construction	Dept. of Parks & Rec and Contractor			
2. The developer/contractor shall cover load of haul/dump trucks securely.	During construction	Dept. of Parks & Rec and Contractor			
3. The developer/contractor shall comply with Sacramento Metropolitan Air Quality Rule 405 on dust and condensed fumes, so that emissions do not exceed hourly levels as regulated per processing weight.	During construction	Dept. of Parks & Rec and Contractor			
4. The developer/contractor shall follow the Sacramento Metropolitan Air Quality Management District's Fugitive 403 Rule in order to ensure that dust is reduced to a level of less-than-significant.	During construction	Dept. of Parks & Rec and Contractor			
5. Equipment idling shall be kept to a minimum when equipment is not in use. No piece of equipment shall be left to idle in one place for more than 30 minutes.	During construction	Dept. of Parks & Rec and Contractor			
6. The developer/contractor shall enclose, cover, or water twice daily all soil piles.	During construction	Dept. of Parks & Rec and Contractor			
7. The developer/contractor shall water all haul roads twice daily.	During construction	Dept. of Parks & Rec and Contractor			

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
Remarks				
AIR QUALITY (continued from previous page)				
<p>8. The following shall be included to ensure reduction of NOx emissions from off-road diesel-powered equipment:</p> <p>a) The prime contractor shall provide a plan for approval by the City of Sacramento and SMAQMD demonstrating that replacement heavy-duty (>50 horsepower) off-road vehicles to be used in the construction of the project including owned, leased, and subcontractor vehicles, will achieve a fleet-averaged 20 percent NOx reduction and 45 percent particulate reduction compared to the most recent CARB fleet average.</p> <p>b) The prime contractor shall submit to the City of Sacramento and SMAQMD a comprehensive inventory of all off-road construction equipment, equal to or greater than 50 horsepower, that will be used an aggregate of 40 or more hours during the construction period. The inventory shall include the horsepower rating, engine production year, and hours of use or fuel throughout for each piece of equipment. The inventory shall be updated and submitted monthly throughout the duration of the construction period, except that an inventory shall not be required for any 30-day period in which no activity occurs. At least 48 hours prior to the use of subject heavy-duty off-road equipment, the prime contractor shall provide SMAQMD with the anticipated construction activity timeline including start date, and name and phone number of the project manager and on-site foreman.</p>	During construction	Dept. of Parks & Rec and Contractor		

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**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date Remarks
AIR QUALITY (continued from previous page)				
<p>9. The following shall be included to assist in controlling visible emissions from off-road diesel powered equipment:</p> <p>a) The prime contractor shall ensure that emissions from all off-road diesel powered equipment used on the project site do not exceed 40 percent opacity for more than three minutes in any one hour. Any equipment found to exceed 40 percent opacity shall be repaired immediately, and the City of Sacramento and SMAQMD shall be notified within 48 hours of identification of non-compliant equipment. A visual survey of all in-operation equipment shall be made at least weekly, and a monthly summary of the visual survey results shall be submitted throughout the duration of the project, except that the monthly summary shall not be required for any 30-day period in which no construction activity occurs. The monthly summary shall include the quantity and type of vehicles surveyed as well as the dates of each survey. The SMAQMD and/or other officials may conduct periodic site inspections to determine compliance. Nothing in this section shall supercede other SMAQMD or state rules or regulations.</p>	During construction	Dept. of Parks & Rec and Contractor		

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date Remarks
AIR QUALITY (continued from previous page)				
10. Portable electric equipment shall be used instead of gasoline or diesel-powered generators during construction of the project.	During construction	Dept. of Parks & Rec and Contractor		

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
BIOLOGICAL					
<p><u>Mitigation Measures for VELB</u> Impacts to VELB shall be avoided where possible. If avoidance is not possible, then implementation of the following mitigation measures will reduce this impact to a less than significant level:</p> <p>1. A pre-construction survey shall be conducted to ensure that any elderberry shrubs that may occur in the area are noted and avoided where possible. Should the pre-construction surveys result in the discovery of any elderberry shrubs within the project's area of effect, the following mitigation measures shall be implemented:</p> <p>2. All potentially affected elderberry plants that can be avoided shall be flagged by an USFWS-approved biologist prior to grading or other construction activities. All elderberry plants shall be protected by a least twenty-foot buffers, or the distance recommended by USFWS, with exclusionary fencing to make them easily avoided by construction crews.</p> <p>3. For all elderberry plants that occur within the construction right-of-way and cannot be avoided by project activities, the City of Sacramento shall implement the following mitigation measures:</p> <p>a. All contractors and construction crews shall be briefed on the status of VELB (federally listed as threatened) and the need to protect its host plant, requirements to avoid damaging elderberry plants, and possible penalties for not complying with identified mitigation and monitoring measures.</p>	Prior to construction	Dept. of Parks & Rec and Contractor			
	Prior to construction	Dept. of Parks & Rec and Contractor			
	Prior to construction	Dept. of Parks & Rec and Contractor			

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**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
Remarks				
BIOLOGICAL (continued from previous page)				
<p>b. All elderberry plants with one or more stems of at least 1.0 inch diameter at ground level that cannot be avoided during construction activities shall be transplanted to an USFWS-approved mitigation area. All transplantings of elderberry plants shall occur during the plants' dormant season (November to mid-February) and should follow the standards set forth in the USFWS <i>General Compensation Guidelines for the Valley Elderberry Longhorn Beetle</i> (July 1999).</p>	<p>Prior and during construction</p>	<p>Dept. of Parks & Rec and Contractor</p>		
<p>c. Each elderberry stem of 1.0 inch or more that is moved or destroyed will be replaced with seedling elderberry plants in the mitigation area using the following ratios:</p> <p>-For elderberry shrubs with stems of 1 inch or greater at ground level, with no evidence of VELB larvae exit holes, a ratio of 2:1 shall apply;</p> <p>-For elderberry shrubs with stems of 1 inch or greater at ground level, with less than 50 percent of the stems showing evidence of VELB larvae exit holes, a ratio of 3:1 shall apply;</p>	<p>During and after construction</p>	<p>Dept. of Parks & Rec and Contractor</p>		

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
BIOLOGICAL (continued from previous page)					
<p>-For elderberry shrubs with stems of 1 inch or greater at ground level, with greater than 50 percent of the stems showing evidence of VELB larvae exit holes, a ratio of 5:1 shall apply.</p> <p>This replacement mitigation ratio was determined using the USFWS <i>General Compensation Guidelines for the Valley Elderberry Longhorn Beetle</i> (July 1999). This replacement requirement applies even if the elderberry plant is transplanted (i.e., moved).</p>					
<p><u>Mitigation Measure for Special Status Fish Species</u></p> <p>1. Final design of any low-flow crossing shall be reviewed by CDFG and NMFS to ensure that such a structure does not impede fish passage. Construction shall occur between May 15 and October 15 to work outside of the season in which juvenile or migrating salmonids are present in the system.</p>	<p>Prior and during construction</p>	<p>Dept. of Parks & Rec and Contractor</p>			

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
Remarks				
BIOLOGICAL (continued from previous page)				
<u>Mitigation Measure for Northwestern Pond Turtle</u> 1. A qualified biological monitor shall be present during installation of the bridge crossings and/or culverts. Any turtles observed shall be either herded out of the construction area, or captured and relocated downstream of the construction site.	During construction	Dept. of Parks & Rec and Contractor		
<u>Mitigation Measures for GGS</u> Impacts to GGS shall be avoided where possible. If avoidance is not possible, then implementation of the following mitigation measures will reduce this impact to less than significant: 1. Any permanent elimination of habitat resulting from project construction activities shall be replaced using USFWS approved methods at a minimum of a 3:1 ratio. Temporary habitat impacts for the project will be less than 20 acres and shall be limited to 1 season of duration. These areas shall be restored using USFWS approved methods. 2. Avoidance and minimization measures that shall be included in the project design to reduce potential effects to GGS include the following:	Prior to, during and after construction	Dept. of Parks & Rec and Contractor		

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
BIOLOGICAL (continued from previous page)					
<input type="checkbox"/> Construction activities within 200 feet from the banks of giant garter snake aquatic habitat will be avoided where possible. <input type="checkbox"/> Confine movement of heavy equipment to existing roadways to minimize habitat disturbance. <input type="checkbox"/> Construction activity within habitat shall be conducted between May 1 and October 1 to minimize impacts to the GGS. This is the active period for giant garter snakes and direct mortality is lessened, because snakes are expected to actively move and avoid danger. For any activities needed between October 2 and April 30, contact the USFWS office to determine if additional measures are necessary to minimize and avoid take. <input type="checkbox"/> Clearing shall be confined to the minimum area necessary to facilitate construction. Avoidance areas shall be flagged and marked as "Environmentally Sensitive Areas." These areas shall be avoided by construction personnel. <input type="checkbox"/> Construction personnel shall receive USFWS-approved worker environmental awareness training. This training shall instruct workers to recognize GGS and its habitat.					

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**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
BIOLOGICAL (continued from previous page)					
<input type="checkbox"/> 24-hours prior to construction activities, the project area shall be surveyed for GGS. Survey of the project area shall be repeated if a lapse in construction activity of two weeks or greater has occurred. If a giant garter snake is encountered during construction, activities shall not begin again until appropriate corrective measures have been completed or it has been determined that the snake will not be harmed. Any sightings and any incidental take will be reported immediately to the USFWS at (916) 414-6600.					
<input type="checkbox"/> If construction activities take place near or within the channel, any dewatered habitat should remain dry for at least 15 consecutive days during the nesting season (April 1 through November 1) and prior to excavating or filling of the dewatered habitat.					
<input type="checkbox"/> All construction debris and stockpiled materials shall be removed following construction.					
<input type="checkbox"/> The construction area shall be regraded to preexisting contours, or a contour that would improve restoration potential of the site.					
<input type="checkbox"/> A biological monitor shall be present at the construction site to monitor for the presence of GGS during construction activities.					

**MITIGATION REPORTING PROGRAM CHECKLIST FOR UEDA PARKWAY
SUBSEQUENT MITIGATED NEGATIVE DECLARATION (CIP# HB16)**

Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date Remarks
BIOLOGICAL (continued from previous page)				
<p>3. After construction is completed, disturbed areas within GGS habitat will be revegetated (Please note that Steelhead, Arcade, Dry and Robla Creeks are subject to annual flooding and are actively managed for flood control. In some areas, planting woody vegetation may interfere with flood control measures. In such areas, revegetation should consist of planting herbaceous vegetation). The goal of the revegetation is to attempt to restore conditions similar to that of adjacent or nearby habitats.</p> <p>Recommended plantings consist of a) wetland emergents, b) low-growing cover on or adjacent to banks, and c) upland plantings/hydroseeding mix to encourage use by other wildlife. Riparian plantings are not appropriate because shading may result in lack of basking sites. Native plantings are encouraged except where non-natives will provide additional values to wildlife habitat and will not become invasive in native communities. Cuttings, plantings, plugs or seeds from local sources will be used whenever possible.</p> <p>Wetland emergents recommended in the active channel for GGS habitat are: California bulrush (<i>Scirpus californicus</i>), Cattail (<i>Typha spp.</i>), Water primrose (<i>Ludwigia peploides</i>), Common Tule (<i>Scirpus acutus</i>), Baltic Rush (<i>Juncus balticus</i>), Duckweed (<i>Lemna spp.</i>)</p> <p>Cover species on or adjacent to the bank may include, along with the hydroseeding mix recommended for the upland areas: California blackberry (<i>Rubus britifolius</i>), Wild Grape (<i>Vitis californicus</i>)</p>	After construction	Dept. of Parks & Rec and Contractor		

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Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
Remarks				
<p>BIOLOGICAL (continued from previous page)</p> <p>All upland areas will be revegetated with the following guidelines:</p> <ul style="list-style-type: none"> Disturbed upland areas should be revegetated with native/naturalized vegetation. The following seed mix is recommended: Fescue (<i>Vulpia myuros</i>), California Brome (<i>Bromus carinatus</i>), Blue Wildrye (<i>Elymus glaucus</i>), Meadow Barley (<i>Hordeum achyantherum</i>), Rose Clover (<i>Trifolium hirtum</i>), Yarrow (<i>Achillea millefolium</i>), California Poppy (<i>Eschscholzia californica</i>), Tidy Tips (<i>Layia fremontii</i>) The seed will be applied with hydroseeding apparatus onto disturbed surfaces. The seed mix will be combined with a stabilizing emulsion (approved as an Auxiliary Soil Chemical by the California Department of Food and Agriculture) and color-contrasted fiber material and uniformly applied to disturbed surfaces. The project biologist shall be present during the mixing and application of hydroseed material. The Hydroseed Contractor will provide seed tags documenting each batch used in the mix to the project wetland consultant. No fertilizer or any other material considered to be harmful by the project biologist shall be incorporated into the hydroseed mix. 				
After construction	Dept. of Parks & Rec and Contractor			

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Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date Remarks
BIOLOGICAL (continued from previous page)				
<u>Mitigation Measures for Tricolored blackbird</u>				
1. Pre-construction surveys for tricolored blackbird shall be conducted throughout all appropriate habitat within 250 feet of the project area.	Prior to construction	Dept. of Parks & Rec and Contractor		
2. If no tricolored blackbird nesting colonies are detected in the project area, no mitigation will be necessary.	Prior to construction	Dept. of Parks & Rec and Contractor		
3. If tricolored blackbird nesting colonies are found in or adjacent to the project area, construction exclusion zones shall be established around each active nest site. No disturbance shall occur within 250 feet of a nest site during the breeding season (April through early June).	Prior to and during construction	Dept. of Parks & Rec and Contractor		
<u>Mitigation Measures for Great Egret, Great Blue Heron, Snowy Egret, and Black-crowned night heron</u>				
1. Pre-construction surveys for great egret, great blue heron, snowy egret, and black-crowned night heron rookeries shall be conducted in all appropriate habitat within 250 feet of the project area.	Prior to construction	Dept. of Parks & Rec and Contractor		
2. If no great blue heron, snowy egret, and black-crowned night heron rookeries have been established in the project area, no mitigation will be necessary.	Prior to construction	Dept. of Parks & Rec and Contractor		

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Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
BIOLOGICAL (continued from previous page)					
<p>3. If great blue heron, snowy egret, and black-crowned night heron rookeries are found in or adjacent to the project area, construction exclusion zones shall be established around each active nest site. No disturbance shall occur within 250 feet of a nest site during the breeding season.</p>	Prior to and during construction	Dept. of Parks & Rec and Contractor			
<p><u>Mitigation Measures for Western Burrowing Owl</u> 1. Prior to issuance of a grading permit, a CDFG-approved raptor biologist shall conduct a pre-construction survey of all potential burrowing owl habitat within 250 feet of the project corridor and record the presence of individual burrowing owls, sign of burrowing owls (i.e., fecal whitewash at the entrance to burrows, etc.) and all burrows that are in use by western burrowing owls.</p>	Prior to construction	Dept. of Parks & Rec and Contractor			
<p>2. If the pre-construction survey reveals that there are no western burrowing owls within 250 feet of the project corridor, no mitigation is necessary. The following mitigation measures shall be implemented only if the pre-construction surveys reveal the presence of western burrowing owl:</p> <p>a. If possible, construction shall be avoided within 250 feet of an existing burrowing owl nest site.</p> <p>b. No grading shall be allowed during the nesting season (February through August 31), unless approved by the CDFG, within 250 feet of any nest burrow identified by the CDFG-approved raptor biologist.</p>	Prior to, during and after construction	Dept. of Parks & Rec and Contractor			

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			Initials	Date
Remarks				
BIOLOGICAL (continued from previous page)				
<p>Prior to grading within burrowing owl habitat in which individual owls have been identified by the CDFG-approved raptor biologist, all burrows within the construction area shall be fitted with one-way doors which will be left in place for 2 to 3 days, after which time they shall be covered with screen or wire mesh material to prevent re-entry by the owls during the construction phase of the project.</p> <p>d. Loss of existing burrows due to project-related activities shall be mitigated by replacement of burrows at a 3:1 ratio at an offsite location approved by the CDFG.</p> <p>e. A monitoring report of all activities associated with surveys for and passive relocation of burrowing owls (observations of owls, mapping of nest burrows, exclusion of individuals from burrows, etc.) shall be submitted to the CDFG no later than two weeks after the completion of grading that occurs within 250 feet of occupied burrowing owl habitat.</p>				

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Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE		
			Initials	Date	Remarks
BIOLOGICAL (continued from previous page)					
<u>Mitigation Measures for White-Tailed Kite</u> 1. Pre-construction surveys for white-tailed kite nests shall be conducted in all appropriate habitat within 250 feet of the project site.	Prior to construction	Dept. of Parks & Rec and Contractor			
2. If no white-tailed kite nests have been established in the project area, no mitigation will be necessary.	Prior to construction	Dept. of Parks & Rec and Contractor			
3. If white-tailed kite nests are found in the project area, construction exclusion zones shall be established around each active nest. No disturbance shall occur within 250 feet of a nest site during the breeding season.	Prior to and during construction	Dept. of Parks & Rec and Contractor			
<u>Mitigation Measures for Swainson's hawk</u> Impacts to Swainson's hawk shall be avoided where possible. If avoidance is not possible, then implementation of the following mitigation measures will reduce this impact to a less than significant level: 1. Pre-construction surveys for Swainson's hawk nests shall be conducted in all appropriate habitat within 500 feet of the project site. This survey shall be conducted in accordance with procedures prescribed by the CDFG, and the survey results shall be presented to both the CDFG and to the City of Sacramento. If construction will occur outside of the active nesting season (1 March to 30 August), there will be no need to conduct surveys for active nests.	Prior to construction	Dept. of Parks & Rec and Contractor			

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			Initials	Date Remarks
BIOLOGICAL (continued from previous page)				
2. If no Swainson's hawk nests are found in the survey area, no further mitigation will be necessary.	Prior to construction	Dept. of Parks & Rec and Contractor		
3. If Swainson's hawk nests are located within 500 feet of the project area, the biologist will record the location(s) on a site map. During construction, the biologist will monitor for nesting disturbance caused by construction activities. The biological monitor will have the authority to stop construction if construction appears to be adversely affecting the birds.	Prior to and during construction	Dept. of Parks & Rec and Contractor		
4. No disturbance shall occur within 500 feet of an active Swainson's hawk nest during the breeding season (1 March to 30 August). A minimum 500-foot buffer shall be established around active nest trees. The location of the buffer zone will be determined by a qualified biologist. The City shall mark the buffer zone with yellow caution tape, stakes or temporary fencing, and maintain the buffer throughout the construction period.	Prior to and during construction	Dept. of Parks & Rec and Contractor		
<u>Mitigation Measures for Special-Status Bats</u> 1. Pre-construction surveys for special-status bats shall be conducted at the Main Street bridge crossing of Steelhead Creek.	Prior to construction	Dept. of Parks & Rec and Contractor		
2. If no bats are detected at the bridge, no mitigation will be necessary.	Prior to construction	Dept. of Parks & Rec and Contractor		

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Mitigation Measure	Reporting Milestone	Reporting/Responsible Party	VERIFICATION OF COMPLIANCE	
			Initials	Date
BIOLOGICAL (continued from previous page)				
<p>3. If roosting bats are found on the Main Street Bridge, a construction exclusion zone shall be established around the roost site. No disturbance shall occur within 250 feet of the roost site during construction.</p>	Prior to and during construction	Dept. of Parks & Rec and Contractor		
<p><u>Mitigation Measures for Sanford's arrowhead</u> 1. A survey for Sanford's arrowhead shall be conducted within marsh and creek habitat by a qualified biologist to determine the presence/absence of this species in the project area. This survey should be conducted during late spring and summer. If no Sanford's arrowhead is found, no further mitigation is required.</p>	Prior to and during construction	Dept. of Parks & Rec and Contractor		
<p>2. If this species is identified on the site, the plants should be avoided if possible. If avoidance is not possible, consultation with CDFG and USFWS shall be required to determine an appropriate plan for moving the plants to another appropriate location or mitigating for their loss. In general, this species transplants well and moving them to another appropriate location within the project area may be an appropriate option. A buffer of approximately 50 feet is recommended for a transplanted or avoided population; however, differing buffer widths may be approved by CDFG. The agencies may require follow-up monitoring to ensure successful transplanting.</p>	Prior to and during construction	Dept. of Parks & Rec and Contractor		

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BIOLOGICAL (continued from previous page)					
<p><u>Mitigation Measures for Trees</u> Trees shall be protected by the following measures:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The contractor shall hire an International Society of Arboriculture (ISA) certified arborist to do any required pruning for equipment clearance. The contractor shall contact the City Arborist (Dan Pskowski, 768-8604 or his replacement) for a root inspection(s) for trenching activities within the drip line(s) of the trees. <input type="checkbox"/> If during excavation for the project, tree roots greater than two inches in diameter are encountered, work shall stop immediately until the project arborist can perform an on-site inspection. All roots shall be cut clean and the tree affected may require supplemental irrigation/fertilization and pruning as a result of the root cutting. The project sponsor will be responsible for any costs incurred. 	Prior to, during, and after construction	Dept. of Parks & Rec and Contractor			

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BIOLOGICAL (continued from previous page)					
<input type="checkbox"/> The contractor shall be held liable for any damage to existing trees, i.e. trunk wounds, broken limbs, pouring of any deleterious materials, or concrete washout under the drip line of the trees. Damages will be assessed using the "Guide to Plant Appraisal" ninth edition, published by the International Society of Arboriculture (ISA). The contractor shall hire an ISA certified arborist to do the appraisal and submit a report for review by the City Arborist.					
<input type="checkbox"/> Supplemental irrigation will be required for trees on and adjacent to the project site where the irrigation has been turned off or modified because of construction activities.					
<input type="checkbox"/> The trees to be preserved and the protection methods noted above shall be identified on all construction plans for this project.					

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BIOLOGICAL (continued from previous page)				
<u>Mitigation Measures for Wetland & Riparian Habitat</u> 1. Prior to construction, the City shall obtain the necessary U.S. Army Corps of Engineers (ACOE) approval and/or Section 404 Clean Water Act ACOE permits.	Prior to construction	Dept. of Parks & Rec and Contractor		
2. The City shall obtain a Streambed Alteration Agreement from the California Department of Fish and Game prior to construction of the project.	Prior to construction	Dept. of Parks & Rec and Contractor		
3. The City shall obtain the appropriate approval and/or permit from the Regional Water Quality Control Board prior to construction of the project.	Prior to construction	Dept. of Parks & Rec and Contractor		
4. The proposed project shall minimize surface disturbance as much as possible during grading and construction activities in or adjacent to Waters of the U.S. by incorporating best management practices into erosion control and construction plans (include the City's Erosion and Sediment Control Ordinance measures on all construction plans).	During construction	Dept. of Parks & Rec and Contractor		

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CULTURAL RESOURCES				
1. If subsurface archaeological or historical remains are discovered during construction, work in the area shall stop immediately and a qualified archaeologist and a representative of the Native American Heritage Commission shall be consulted to develop, if necessary, further mitigation measures to reduce any archaeological impact to a less-than-significant level before construction continues.	During construction	Dept. of Parks & Rec and Contractor		
2. If human burials are encountered, all work in the area shall stop immediately and the Sacramento County Coroner's office shall be notified immediately. If the remains are determined to be Native American in origin, both the Native American Heritage Commission and any identified descendants must be notified and recommendations for treatment solicited (CEQA Section 15064.5); Health and Safety Code Section 7050.5; Public Resources Code Section 5097.94 and 5097.98.	During construction	Dept. of Parks & Rec and Contractor		