



**SUBMITTAL TO THE BOARD OF DIRECTORS
REGIONAL PARK AND OPEN SPACE DISTRICT
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

529



FROM: Regional Park and Open-Space District

SUBMITTAL DATE:
August 31, 2016

SUBJECT: Santa Ana River Trail: Corona , Norco, Eastvale Segment and State Route 71 (Prado Dam to Hidden Valley Wildlife Area) - Third Amendment to Professional Services Agreement with FCS International Inc.; District 2; [\$170,536; Coastal Conservancy Grant- 33110931121]

RECOMMENDED MOTION: That the Board of Directors:

1. Approve the Third (3rd) Amendment to the Professional Services Agreement for Environmental Services between the Riverside County Regional Park and Open-Space District and FCS International Inc. DBA Michael Brandman Associates (FCS) and authorize the Chairman of the Board of Directors to execute the same on behalf of the District; and
2. Direct the Clerk of the Board to return three (3) copies of the executed amendment to the District.

BACKGROUND:

Summary

(Continued on page 2)

FORM APPROVED COUNTY COUNSEL
BY: JAMES E. BROWN
DATE: 9/26/16
Department - General Manager

Scott Bangle
General Manager

2017-011D

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 170,536	\$ 0	\$ 170,536	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: Coastal Conservancy Grant- 33110931121
Budget Adjustment: No
For Fiscal Year: 2016-17

C.E.O. RECOMMENDATION:

APPROVE

BY:

Alex Gann

County Executive Office Signature

MINUTES OF THE BOARD OF DIRECTORS

On motion of Director Tavaglione, seconded by Director Benoit and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Washington, Benoit and Ashley
Nays: None
Absent: None
Date: September 13, 2016
xc: Parks

Kecia Harper-Ihem
Clerk of the Board
By:

District

- A-30
- Positions Added
- 4/5 Vote
- Change Order

Prev. Agn. Ref.: 02/09/16 M.O. #13-1D | **District:** 2 | **Agenda Number:**

13-2

**SUBMITTAL TO THE BOARD OF DIRECTORS, REGIONAL PARK AND OPEN SPACE DISTRICT,
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.**

FORM 11: Santa Ana River Trail: Corona , Norco, Eastvale Segment and State Route 71 (Prado Dam to Hidden Valley Wildlife Area) - Third Amendment to Professional Services Agreement with FCS International Inc.; District 2; [\$170,536; Coastal Conservancy Grant- 33110931121]

DATE: August 31, 2016

PAGE: 2 of 2

BACKGROUND:

Summary (continued)

The Santa Ana River Trail Project has involved multiple agencies from Riverside, Orange and San Bernardino counties, federal and state governmental resource agencies, cities and local special interest groups. During the course of the final environmental analysis and document reviews both the federal and state resource agencies requested additional and or expanded environmental studies, additional agency consultations and the re-validation of the project's Board approved original CEQA determination of a "Mitigated Negative Declaration" prior to issuing final approvals. The description of the required studies, consultations and CEQA re-validation work is summarized in the Amendment and supported in detail by the consultant's proposal attached as EXHIBIT 'A' to the amendment. Both are attached to this document.

The Santa Ana River Trail project is funded by multiple funding sources. The primary funding source is from a California State Proposition 84 Grant and is managed by the State's Coastal Conservancy. The environmental compliance portion of the project is fully funded through the District's grant from the State Coastal Conservancy. The Third Amendment to the project's environmental compliance work and approvals will have no impact to District or the County's General Fund.

The Third Amendment has been reviewed and approved as to form by County Counsel.

Impact on Citizens and Businesses

When complete, the Santa Ana River Trail will provide the Citizens of Riverside County a 36 mile recreational trail within the Santa Ana River Corridor. It will offer connections into both the Counties of Orange and San Bernardino. Providing trail users the opportunity to use and explore approximately 110 miles of trail. In addition, the completed trail is designed as an alternate transportation route between the three counties and may possibly reduce greenhouse gas emissions.

SUPPLEMENTAL:

Additional Fiscal Information

The original contract for FCS was \$89,730. It was amended January 5, 2016 to add \$87,000 to the contract for an adjusted total amount of \$176,730. This amendment will add an additional \$170,536 for a new adjusted total agreement cost of \$347,266.

Contract History and Price Reasonableness

The original project scope has been significantly altered as additional opportunities to move the trail closer to more natural elements continue to develop. Additionally, since this is a multi-year project, environmental and permit requirements continue to change as the construction documents advance, requiring additional work in order to satisfy all of the various agencies involved with the project. The District and the Consultant have negotiated the fee agreement increase shown in Exhibit A of the amendment as supporting documentation. The fee adjustment is within industry standard for a project of this scale and complexity and the Coastal Conservancy (Funding Agency) and the Riverside County Transportation Commission (Project Manager) both support this amendment.

Attachments:

Third Amendment to the Professional Service Agreement for Environmental Services with FCS and Exhibit A

**THIRD AMENDMENT TO THE PROFESSIONAL SERVICE AGREEMENT FOR
ENVIRONMENTAL SERVICES**

By and Between

THE RIVERSIDE COUNTY REGIONAL PARK AND OPEN-SPACE DISTRICT

And

FCS INTERNATIONAL INC, DBA MICHAEL BRANDMAN ASSOCIATES

THIS THIRD AMENDMENT TO THE PROFESSIONAL SERVICE AGREEMENT FOR ENVIRONMENTAL SERVICES ("Third Amendment"), dated as of September 13, 2016 is entered into by and between THE RIVERSIDE COUNTY REGIONAL PARK AND OPEN-SPACE DISTRICT, a special district created pursuant to the California Public Resources Code Div.5, Ch.3, Art.3, ("District"), and FCS International, Inc, DBA Michael Brandman Associates ("Consultant"), a California corporation, sometimes collectively referred to as the "Parties".

RECITALS

A. The DISTRICT and FCS International entered into that certain **Professional Service Agreement For Environmental Services**, dated December 4, 2012 (the "Original Agreement") pursuant to which District has retained the services of Consultant to provide environmental services and documentation for the benefit of the Riverside County Regional Park and Open-Space District Santa Ana River Trail Project, more particularly described in the Original Agreement.

B. That certain First Amendment to the Original Agreement dated December 15, 2015 was entered into between the CONSULTANT and the DISTRICT, as the beneficiary and successor to the Original Agreement, where by the term for the period of performance was extended and notice requirements were added for the tracking the term period of the Original Agreement.

C. That certain Second Amendment to the Original Agreement dated February 9, 2016 was entered into between the CONSULTANT and DISTRICT, as the beneficiary and successor to the Original Agreement, where by general environmental services, the scope of work and total compensation were amended.

D. During the public review period for the project documents, the federal and state resource agencies required additional environmental, cultural resource and agency consultations prior to project approval. A revalidation of the original "Mitigated Negative Declaration" CEQA document was also requested prior to project approval.

E. The District has reviewed this Third Amendment with the project Granting agency and received their approval.

F. The DISTRICT has concurred with the agencies request, determining the needed for expanded and more detailed environmental analysis as well as the revalidation of the original

CEQA documents, to allow for the development of the overall Santa Ana River Trail Project: Prado-Norco-Eastvale Segment.

G. The Original Agreement together with the First and Second Amendments and this Third Amendment are collectively referred to herein as the "Agreement".

H. The District and the Consultant now desire to amend the Original Agreement to amend the scope of work and increase the total compensation amount for the Agreement.

NOW THEREFORE, for good and valuable consideration the receipt and adequacy of which is hereby acknowledged, the Parties agree as follows:

1. DESCRIPTION OF SERVICES. Section 1 the Agreement is hereby amended by the following:

The Consultant shall provide all services to produce the surveys and reports required by the United States Fish and Wildlife Service the following tasks be completed to up-date and expand the original project Determination Biological Equivalent Superior Preservation to obtain project approval:

- Burrowing owl habitat and focused surveys and report
- Endangered Species Act Section 7 consultation services
- Endangered Species Act Section 7 species specific surveys
- Least Bell's vireo expanded habitat and focused surveys and report for DBESP
- Pre-Construction nesting and bird surveys and report
- Expanded cultural resource records search at the EIC, Riverside, County, California
- Expanded Area Paleontological Database and Regional Localities Search
- Representing the Army Corp of Engineers on Section 106 Native American Consultations
- Preparation of the APE Definitions letter for the State office of Historic Preservation
- Additional biweekly meeting services and project management due to expanded project work.
- Preparation of a revalidated CEQA documents for the project with specific interest on Orange County Water District Property

The detailed work description for the additional service and the related supporting costs per task have been described in details in **EXHIBIT 'A'** by reference incorporated herein.

2. COMPENSATION. Section 3 of the Agreement is hereby amended by the following:

DISTRICT shall pay the CONSULTANT for the Additional Services outlined in EXHIBIT 'A' in a total amount not to exceed One Hundred Seventy Thousand, Five Hundred

Thirty-Six Dollars (\$170,536) and in accordance with the terms of EXHIBIT 'A'. Maximum payments by the DISTRICT to CONSULTANT shall not exceed \$170,536 including all expenses, for the Additional Services. Upon approval of this Third Amendment, the total compensation amount for all services shall not exceed a sum total of Three Hundred Forty-Seven Thousand, Two Hundred, Sixty-Six Dollars (\$347,266).

3. CAPITALIZED TERMS. Third Amendment to Prevail. Unless defined herein or the context requires otherwise, all capitalized terms herein shall have the meaning defined in the Agreement, as heretofore amended. The provisions of this Third Amendment shall prevail over any inconsistency or conflicting provisions of the Agreement, as heretofore amended, and shall supplement the remaining provisions thereof.
4. MISCELLANEOUS. Except as amended or modified herein, all the terms of the Agreement shall remain in full force and effect and shall apply with the same force and effect. Subject to the provisions of the Agreement as to assignment, conditions and provisions herein contained shall apply to and bind the heirs, executors, administrators, successors and assigns of the parties hereto. If any provisions of this Amendment or the Agreement shall be determined to be illegal or unenforceable, such determination shall not affect any other provision of the Agreement and all such other provisions shall remain in full force and effect. The language in all parts of the Agreement shall be construed according to its normal and usual meaning and not strictly for or against either District or Consultant. Neither this Amendment, nor the Original Agreement, nor any notice nor memorandum regarding the terms hereof, shall be recorded by Consultant.
5. EFFECTIVE DATE. This Third Amendment to the Agreement shall not be binding or consummated until its approval by the District Board of Directors and fully executed by the Parties.

[Signature Provisions on Following Page]

IN WITNESS WHEREOF, the parties have executed this Third Amendment as of the dates written below.

DISTRICT

RIVERSIDE COUNTY REGIONAL
PARK AND OPEN-SPACE DISTRICT

By: 

Kevin Jefferies
Chairman, Board of Directors

Dated: SEP 13 2016

CONSULTANT

FCS International, Inc
DBA Michael Brandman Associates
220 Commerce Suite 220
Irvine, CA 92602

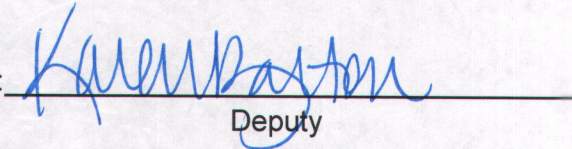
By: 

Frank Coyle
Director

Dated: 8.30.16

ATTEST:

Kecia Harper-Ihem
Clerk of the Board

By: 
Deputy

(Seal)

APPROVED AS TO FORM:

Gregory P. Priamos
County Counsel

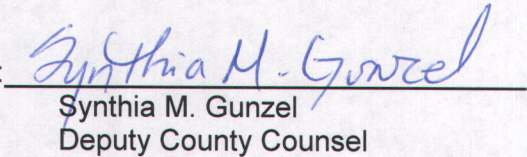
By: 
Synthia M. Gunzel
Deputy County Counsel



EXHIBIT 'A'

August 16, 2016

Marc Brewer
Riverside County Regional Park and Open Space District
4600 Crestmore Road
Riverside, CA 92509

Subject: 3489.0006 Santa Ana River Trail Environmental Services Budget Augment

Dear Mr. Brewer:

Thank you for providing First Carbon Solutions (FCS) the opportunity to provide additional environmental services for the Santa Ana River Trail (SART) project. This augment addresses the scope and budget needed to complete the environmental program, in particular to produce surveys and reports that address United States Fish and Wildlife Service comments on the project, focusing on the following tasks:

- Burrowing owl habitat and focused surveys and report
- Endangered Species Act Section 7 consultation services
- Endangered Species Act Section 7 species surveys
- Least Bell's vireo habitat and focused surveys and report for DBESP
- Pre-construction nesting bird surveys and report
- Expanded cultural resources records search at the Eastern Information Center, Riverside County, California
- Expanded Paleontological Database and Regional Localities Search
- Assistance with Section 106 Native American Consultation on Behalf of USACE
- Preparation of APE Definitions Letter for SHPO on Behalf of USACE
- Ongoing bi-weekly project meetings and project management
- Preparation of CEQA documentation for Orange County Water District Property

A detailed scope of work and related fee proposal are included herein.

Sincerely,

Frank Coyle, Senior Project Manager
First Carbon Solutions
250 Commerce, Suite 250
Irvine, CA 92602

APPROVED: _____

UNITED STATES

Irvine
250 Commerce, Suite 250
Irvine, CA 92602

Los Angeles
11755 Wilshire Blvd, Suite 1660
Los Angeles, CA 90025

Bay Area
1350 Treat Boulevard, Suite 380
Walnut Creek, CA 94597

Central Valley
7265 N First Street, Suite 101
Fresno, CA 93720

Inland Empire
650 E. Hospitality Lane, Suite 125
San Bernardino, CA 92408

Sacramento
180 Promenade Circle, Suite 300
Sacramento, CA 95834

Connecticut
1175 Post Road E
Westport, CT 06880

EUROPE

United Kingdom
Tel: +44 (0) 845.165.6245
Fax: +44 (0) 20.3070.0890
Future Business Centre
Kings Hedges Rd.
Cambridge CB4 2HY
United Kingdom

AUSTRALIA

New South Wales
Tel: +61 (02) 9418.7822
Fax: +61 (02) 9418.7833
13-15 Smith Street
Chatswood, NSW 2067
Australia

AFRICA

Kenya
Tel: +254-737-433-621
ADEC Kenya Services EPZ Ltd.
Nairobi, Kenya

ASIA

Philippines
Tel: +63 (2) 775.0632
Fax: +63 (2) 775.0632 local 8050
26th Floor, Philippine AXA Life Centre,
Sen. Gil Puyat Avenue,
Makati City, Metro Manila

Malaysia

Tel: +603 74902112
Fax: +603 79606977
15-7, Block A, Jaya ONE
72A Jalan Universiti
46200 Petaling Jaya
Selangor, Malaysia



SECTION 1: PROJECT BACKGROUND

First Carbon Solutions (FCS) was contracted by the County to conduct specific biological surveys and regulatory permitting for the SART project consistent with the trail alignment evaluated in the approved United States Army Corps of Engineers Environmental Assessment (EA) in 2010 and 2012. Biological surveys were also conducted as part of the Determination of Biological Equivalent or Superior Preservation (DBESP) Analysis as required under the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) for impacts to Riparian/Riverine Habitat from proposed construction of approximately 11 miles of the SART located in the Cities of Corona, Eastvale, unincorporated Riverside County, and the United States Army Corps of Engineers (USACE) Prado Basin in Riverside County, California.

Since the completion of the initial regulatory documents and biological surveys, it has been determined through the agency review and comment process for these regulatory documents that additional surveys and regulatory permitting are necessary for the environmental compliance portion of the SART project. These determinations were based on feedback on the regulatory documents by the USACE and the United States Fish and Wildlife Service (USFWS), as well as collaborative agreement between the project team's participating entities.

Further, as part of the original planning and alignment study, environmental review and attendant studies were completed, following the State of California guidelines for CEQA. At the completion of the review and supporting studies, it was determined the project qualified for a "Mitigated Negative Declaration" under CEQA. The appropriate documents were prepared and approved by the Board of Directors as part of the Master Plan and alignment study. However, during design development, it became necessary to revise the trail alignment and the configuration of site amenities at the project's main staging area.

The revisions were on properties either owned or under the management of Orange County Public Works Department (OCPWD)/ Flood Control District and Orange County Water District (OCWD). The OCPWD/Flood Control District property was impacted by two project changes: 1) the realignment of the trail transitioning from the top of the ACOE dike into the proposed staging area and 2) the addition of a fully-plumbed restroom facility with the staging area. The subject property area owned or under the management of the OCPWD is generally located east of State Route 71 along both sides of the Santa Ana River between the cities of Eastvale and Corona.

The OCWD property was impacted by a segment of trail being relocated from residential surface streets to an abandon rural road used in the river corridor to access OCPWD properties. Both agencies after reviewing the new design features requested supplemental environmental work to be prepared to further analyze the potential impacts to the environment and revalidate the findings of the original CEQA document. In discussions with the original reviewing agencies, specifically USFWS and CFWS, the change in the trail alignment and its location closer to the river corridor also required the approved DBESP to be amended to address potential habitat impacts and delineate required mitigation. Thus, an update of the

previously prepared CEQA documents (IS/MND) on the OCPWD property with the preparation of an Addendum to the previously prepared IS/MND is warranted. Since the adoption of the IS/MND back in April of 2012, the project changes as noted above will require further environmental analysis which will be addressed as an Addendum to the original CEQA document. The impetus for these additional surveys and regulatory permitting is described further within their respective tasks in Section 2, Scope Amendment.

SECTION 2: SCOPE AMENDMENT

Task 1: Burrowing Owl Habitat Focused Surveys and Report

Suitable habitat for burrowing owl (*Athene cunicularia*) has been documented within the project site, and, therefore, focused surveys are warranted under the MSHCP. Focused burrowing owl surveys will be conducted by a qualified biologist familiar with the identification and behaviors of the species to determine the presence/absence of the species. Surveys will be performed according to standard guidelines compliant with the MSHCP (County of Riverside 2006) to determine the presence of potential habitat and the presence/absence of the burrowing owl within identified areas of potential habitat in Reaches VI, VII, VIII, and IX of the project site. Habitat and focused surveys for burrowing owl were previously conducted in Reaches II, III, and IV of the project site. Potential habitat within these reaches, and a 500-foot buffer including any natural burrows, will be surveyed according to protocol. Following the results of the burrow survey, focused surveys will be conducted at each area determined to be suitable habitat to detect the presence/absence of burrowing owl within the project site.

If no suitable burrows are located during the habitat survey and there is no potential for burrowing owls to occur on-site, only the habitat survey will be conducted. If suitable burrows and appropriate habitat occur on-site, a total of four surveys for each occurrence will be required. The initial burrowing owl habitat survey will be conducted concurrently with any focused burrow survey during the breeding season (March 1 through August 31). Only areas identified in the initial habitat survey as having suitable burrows and associated foraging habitat for owls will undergo focused surveys. The location of all suitable burrowing owl habitats, suitable owl burrows, including suitable manmade structures that could support owls, burrowing owl sign, and any owls observed will be recorded and mapped, with GPS coordinates. Following the surveys, a report providing details on the locations of any species present, potential impacts to either individuals or habitat, and recommendations for either avoidance or a reduction of impacts will be prepared and submitted for review.

Task 1—Deliverables

Draft survey report within three (3) weeks of completing the surveys. Based on one set of review comments from the client, a final report will be prepared. Final report within one (1) week of receiving comments from the Client on the draft report.

Task 2: Endangered Species Act Section 7 Consultation

In response to USFWS comment with regard to Endangered Species Act (ESA) Section 7 Consultation, FCS reached out to the USACE with regard to the SART trail alignment. It was determined that because the majority of the SART alignment is on USACE property in the vicinity of the Prado Basin, the project will be required to undergo Section 7 consultation (Katie Parks, USACE, personal communication, April 2016; Carvel Bass, USACE, personal communication, May 2016).

ECORP will assist FirstCarbon Solutions in biological surveys and documentation in support of the ESA Section 7 consultation process. The federal action is limited to permission to construct, operate and maintain the proposed SART in Reaches I–IX (from north to south) of the SART’s Corona-Norco-Eastvale Segment on lands owned by the USACE in the general area that includes the Prado Basin. The federal action would terminate at Reach IX—the northern boundary of federal fee ownership. Separate and additional evaluation may be required by Orange County for portions of the trail crossing lands belonging to Orange County, the non-federal sponsor for the Prado Dam structures. For those areas outside of the United States ownership, compliance with the MSHCP has been completed for the project. Biological resources reports completed to date in support of this project are summarized in Table 1.

Table 1 List of Previous Reports Prepared

Report Title	Date
Revised Determination of Biological Equivalent or Superior Preservation (DBESP) Analysis	October 2015
Habitat Assessment and MSHCP Consistency Analysis	March 2011
Burrowing Owl Focused Survey Report	September 2010
Sensitive Plant Focused Survey Report	September 2010
Least Bell’s Vireo Focused Survey Report	September 2010

The proposed SART alignment crosses portions of property owned and operated by the USACE. The USACE is not a participating entity in the MSHCP; thus, any project impacts that will likely affect federally listed species or their designated critical habitat on USACE property will require consultation under Section 7 of the Endangered Species Act with the USACE acting as the lead agency.

The proposed SART alignment crosses federal proposed and final designated Critical Habitat for four different species protected under the federal Endangered Species Act (USFWS 1973). Based on the current SART alignment, species and portions of the critical habitat listed in Table 2 may be directly or indirectly adversely modified or destroyed as a result of the proposed project.

Table 2: Federally Listed Species with Critical Habitat in the SART Project Area

Species	Status	Critical Habitat
least Bell's vireo (<i>Vireo bellii pusillus</i>)	Federally Endangered	Final
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	Federally Endangered	Final
yellow-billed cuckoo (<i>Coccyzus americanus</i>)	Federally Threatened	Proposed
Santa Ana sucker (<i>Catostomus santaanae</i>)	Federally Threatened	Final

Based on the current SART alignment, portions of the critical habitat listed in Table 2 will be directly or indirectly adversely modified or destroyed as a result of the proposed project.

Table 3 identifies other species of plants and wildlife protected under the Endangered Species Act, without critical habitat in the project area, that have the potential to be impacted from the proposed project, based on an IPaC Trust Resources Report for the proposed SART alignment (USFWS 2016). Based on the aforementioned reports, these species are not expected to be impacted by the project; however, confirmation of this will be included as part of the consultation process.

Table 3: Federally Listed Species without Critical Habitat in the SART Project Area

Species	Status
Coastal California gnatcatcher <i>Polioptila californica californica</i>	Federally Threatened
San Diego ambrosia <i>Ambrosia pumila</i>	Federally Endangered
Santa Ana River woolly-star <i>Eriastrum densifolium ssp. sanctorum</i>	Federally Endangered

Table 3 (cont.): Federally Listed Species without Critical Habitat in the SART Project Area

Species	Status
Thread-leaved brodiaea <i>Brodiaea filifolia</i>	Federally Threatened
Delhi sands flower-loving fly <i>Rhaphiomidas terminatus abdominalis</i>	Federally Endangered
Stephens' kangaroo rat <i>Dipodomys stephensi</i> (incl. <i>D. cascus</i>)	Federally Endangered

The federally listed species and their critical habitat listed in Tables 2 and 3 have the potential to be directly or indirectly impacted by the SART project. In order to initiate formal consultation with the USFWS, an Initiation Package for Endangered Species Act Consultation will need to be prepared under the direction of the USACE. The Initiation Package will identify which listed species or critical habitat may be affected by the proposed SART project action. The Initiation Package will contain sufficient detail to determine to what extent the proposed action may affect any of the threatened, endangered, proposed, or sensitive species and designated or proposed critical habitats.

Preparation of a Biological Assessment under the direction of the USACE and USFWS will be required to determine whether the proposed action is likely to: adversely affect listed species or designated critical habitat; jeopardize the continued existence of species that are proposed for listing; or adversely modify proposed critical habitat. The Biological Assessment will need to determine at least the following potential impacts to federally listed species and their critical habitats: direct impacts to critical habitat, zone of effect from construction activity and noise generated by different construction methods and equipment, post-construction zone of effect from pedestrian, canine and equestrian trail and off-trail utilization; potential for increase in brown-headed cowbird (*Molothrus ater*); nest parasitization of federally listed avian species with special emphasis on the least Bell's vireo; and potential impacts to USACE mitigation sites relative to the SART alignment.

To determine the potential for impacts to federally listed species, previous data will be reviewed and additional biological surveys may be required to determine baseline conditions in the proposed SART project area. The study area for the biological surveys will be determined by the type of species being surveyed relative to the action proposed to occur in a given area. Therefore, as defined by the USFWS, the action area is the area based on the given action and the sensitivity of the species being surveyed. For example, the minimum survey area for nesting least Bell's vireo would be no less than one-quarter mile (1,320 feet) from either side of the proposed SART alignment.

Once completed, the Biological Assessment will be submitted to the USFWS for their review. The USFWS will respond to the Biological Assessment with a Biological Opinion stating whether or not the proposed SART project action is likely to jeopardize the continued existence of listed species, or result in the destruction or adverse modification of designated critical habitat; a summary of the information on which the opinion is based; and a detailed discussion of the effects of the action on listed species or designated critical habitat. The USFWS through the Biological Opinion will make a jeopardy determination and will offer alternative actions that will avoid jeopardy. If the USFWS determines that the proposed SART action may affect a listed species but will not jeopardize its continued existence, an incidental take statement may be issued.

Task 2: Deliverables and Assumptions

- Cost and schedule estimates are based on our best judgment of the requirements known at the time of the proposal and can be influenced favorably or adversely by the Client's needs and other

circumstances. FirstCarbon Solutions, Inc. (FCS), will endeavor to perform the services and accomplish the objectives within the estimated costs and schedule. However, if the scope of work or schedule changes, First, Inc., reserves the right to revise costs accordingly.

- FCS will invoice this task on a time-and-materials basis because the level of effort required to complete this task may vary from the estimated number of hours.
- It is assumed that the Client will provide project plans in digital GIS or CAD format. The plans will be used in preparing the necessary maps and figures.
- It is assumed that FCS can use and rely on the data and information contained in the project related documents provided by the Client.
- FCS's biological resources manager will prepare for and attend meetings with the USFWS (Carlsbad) and USACE (Los Angeles or at the project site). Meeting minutes will be prepared and submitted to the Client following each meeting. ECORP will invoice this task on a time-and-materials basis because the level of effort required to complete this task may vary from the estimated number of hours. FCS anticipates up to eight (8) meetings at two (2) hours each in length and up to two (2) hours for travel time for both the project manager and principal biologist to attend. These hours may also be used for participation in the project's ongoing bi-monthly meetings by FCS staff, as needed.
- A Draft Biological Assessment will be prepared for client review. The possibility of the USFWS drafting the Biological Assessment still exists, and so this task will not be billed if this is determined through coordination with the agency to be the case.
- It is assumed that FCS will respond to two rounds of comments from the Client and USFWS. Responses to any additional rounds of comments will be negotiated with the Client on a time and materials basis.
- Based on one set of review comments from the Client, a final report will be prepared. The Final BA will be provided within four (4) weeks of receiving comments from the Client on the draft report.
- The cost estimate is based on providing the draft reports in electronic pdf format and the final report as three (3) hard copies plus electronic versions in pdf format.
- Change orders will be issued and signed by the Client and FCS before starting additional work not provided for in the original proposal. Any additional out-of-scope work will not commence until the change order is signed by the appropriate Client representative.

Once completed, the Biological Assessment will be submitted to the USFWS for review. The USFWS will respond to the Biological Assessment with a Biological Opinion stating whether or not the proposed SART project action is likely to jeopardize the continued existence of listed species, or result in the destruction or adverse modification of designated critical habitat; a summary of the information on which the opinion is based; and a detailed discussion of the effects of the action on listed species or designated critical habitat. The Biological Opinion will make a jeopardy determination and will offer

alternative actions that will avoid jeopardy. If the USFWS determines that the proposed SART action may affect a listed species but will not jeopardize its continued existence, an incidental take statement may be issued.

Task 3: Riparian Bird Focused Surveys for ESA Section 7 Consultation

Least Bell's Vireo Surveys

Focused least Bell's vireo surveys will be conducted by a qualified biologist familiar with the identification, vocalizations, and behaviors of the species to determine the presence/absence of the species. Surveys will be conducted in accordance with protocol guidelines (USFWS 2001), which requires eight surveys be conducted at least 10 days apart during the period between April 10 and July 31. The surveys will be conducted between dawn and 11 a.m. when weather conditions are favorable.

Southwestern Willow Flycatcher

Surveys for southwestern willow flycatcher will be conducted by a 10(a)(1)(A) permitted southwestern willow flycatcher biologist in all suitable habitat according to the protocol developed for the species by U.S. Geological Survey (USGS), USFWS, and the Bureau of Reclamation (Sogge, Ahlers, & Sferra 2010). Upon receiving notice to proceed, the biologist will provide a 15-day pre-survey notification to the USFWS, as required by the 10(a)(1)(A) permit. The 2010 protocol requires that a minimum of five surveys are conducted at least 5 days apart during three survey periods between May 15 and July 17. At least one survey must be conducted during the first timeframe (May 15–31), and two surveys must be conducted during both the second and third timeframes (June 1–24 and June 24–July 17). Surveys will be conducted using a digital recording of willow flycatcher vocalizations, and by scanning all potential habitat with binoculars for the presence of willow flycatchers while listening for any vocal responses to the recording. Surveys for southwestern willow flycatcher will be conducted concurrently with surveys for least Bell's vireo because both species have similar habitat requirements.

As a cost-saving measure, five of the least Bell's vireo surveys will be conducted concurrently with the five protocol southwestern willow flycatcher surveys. If the least Bell's vireo and southwestern willow flycatcher surveys were conducted independently of one another, there would be a total of 13 separate visits to the site. By combining five of the vireo surveys with the flycatcher surveys, the total number of site visits is reduced to eight.

Western Yellow-billed Cuckoo

Surveys for Western yellow-billed cuckoo will be conducted by a 10(a)(1)(A) permitted western yellow-billed cuckoo biologist in accordance with the USFWS protocol (Halterman, Johnson, Holmes, & Laymon 2015) developed for the species. Upon receiving notice to proceed, the biologist will provide a 15-day pre-survey notification to the USFWS, as required by the 10(a)(1)(A) permit. The 2015 protocol requires a minimum of 4 surveys be conducted at least 12 days, but no more than 15 days, apart during three survey periods between June 15 and August 15. At least one survey must be conducted between June 15 and July 1 (Period 1), at least two surveys between July 1 and 31 (Period 2), and at least one survey

between July 31 and August 15. Additional surveys may be warranted to confirm breeding status of any individuals present. The surveys are conducted between dawn and 11:00 a.m. using digital recordings of yellow-billed cuckoo vocalizations to locate individuals.

Following the completion of the surveys, a focused least Bell’s vireo, southwestern willow flycatcher, and western yellow-billed cuckoo survey report will be prepared. The report will include the names of all surveyors, dates of surveys, detailed information for all least Bell’s vireo and southwestern willow flycatchers observed, and the name and location of any other sensitive wildlife or plants observed during the surveys. Photographs, GPS data, data sheets, and a general description of the existing on-site conditions will also be provided. ECORP will provide a draft version of the report to the Client via email, for one round of comments. After incorporation of one round of comments from the Client, ECORP will prepare the final version of the report. A total of two electronic copies (one PDF version and one version in Microsoft Word) will be submitted to the Client. Additionally, a copy of the survey report will be submitted to the USFWS to maintain compliance with permit requirements and ECORP will provide notification to CNDDDB for special-status species.

The survey schedule below is based on a start date of May 23, 2016; if initiated any later, the surveys will need to be compressed to less than 10 days apart for least Bell’s vireo, with the permission of the USFWS (please see Table 4). The areas to be surveyed are only those within Reach IX of the project area. The determination to survey only in Reach IX is due to the absence of Southern willow scrub within Reaches I through XIII, and because of ongoing survey efforts for these species in Reaches I through XIII by Orange County Water District (as indicated in previous report).

Task 3—Deliverables

Draft survey report within three (3) weeks of completing the surveys. Based on one set of review comments from the client, a final report will be prepared. Final report within one (1) week of receiving comments from the client on the draft report.

Table 4 Survey Schedule for Least Bell’s Vireo (LBVI)*, Southwestern Willow Flycatcher (SWWF), and Yellow-billed Cuckoo (YBCU)

Date	Species	Survey Number
May 23	LBVI+SWWF	1
June 2	LBVI	2
June 10	LBVI+SWWF	3/2
June 20	LBVI+SWWF	4/3
June 30	LBVI+SWWF	5/4
July 8	LBVI+SWWF	6/5
July 18	LBVI	7

July 28	LBVI	8
June 21	YBCU	1
July 6	YBCU	2
July 20	YBCU	3
August 3	YBCU	4

Note:

* Schedule maintains 10-day window except two instances of 8-day separation (between June 2 and June 10; between June 30 and July 8), no weekends (eight visits).

Task 4: Least Bell’s Vireo Habitat and Focused Surveys and Report for DBESP Response to Comment

A qualified FCS biologist will perform approved United States Fish and Wildlife Service (USFWS) protocol surveys to determine presence/absence of the Federally Endangered least Bell’s vireo (*Vireo bellii pusillus*) within suitable habitat of the project site per request by the USFWS in response to the agency’s review of the DBESP prepared for the project. The areas to be surveyed are as follows:

- The USFWS has requested that the surveys for least Bell’s vireo be extended to include Reach IX using the most recent USFWS protocol (the surveys in Reach IX will be conducted as part of the least Bell’s vireo surveys for ESA Section 7 consultation, Task 3).
- The “no impact” habitat areas within Reaches V, VI, VII, and VIII should be resurveyed as was determined by the project team in March 2016 (fee for these requested surveys only under this task).
- The alternative trail alignments (developed by the project team in March 2016) in Reach IX should be surveyed (included as the least Bell’s vireo surveys for ESA Section 7 consultation, Task 3).

While previous least Bell’s vireo surveys have identified locations with the species present in the past, these additional surveys prior to final design could result in a reduction of impacts to the species and in less mitigation associated with all of the permits necessary for construction. The goal of these surveys is to avoid, whenever possible, bifurcating an individual least Bell’s vireo territory and thus reduce impacts to this threatened species.

In accordance with USFWS survey protocol, surveys will be conducted between April 1 to July 31, with a minimum of eight site visits will be conducted at least 10 days apart, as previously described.

Task 4—Deliverables

Draft survey report within three (3) weeks of completing the surveys. Based on one set of review comments from the client, a final report will be prepared. Final report within one (1) week of receiving comments from the Client on the draft report.

Task 5: Pre-Construction Nesting Bird Surveys and Report

The study area contains suitable nesting habitat for a number of common and sensitive, tree- and ground-nesting avian species under the protection of the Migratory Bird Treaty Act and or California Fish and Game Code Sections 3800, 3513, and 3503.5. The southern cottonwood willow riparian forests and coastal sage scrub communities within the study area provide suitable habitat for sensitive avian species including, least Bell’s vireo and coastal California gnatcatcher. The eucalyptus/ornamental woodlands, and bridges and overpasses also provide suitable nesting and foraging habitat for a number of common migratory species. These include the following species that were observed during previous habitat assessments for the project: California towhee, Bewick’s wren, white-throated swift, and Nuttall’s woodpecker. Therefore, if installation of the proposed project occurs during the avian nesting season (February 15 thru August 31), the project may result in incidental “take” of nesting birds located in the immediate vicinity of the project study area, in areas containing suitable nesting vegetation.

FCS biologists will conduct pre-construction surveys 30 days prior to any construction activities on a time-and-materials basis. Based on other mitigation measure restrictions related to construction restrictions during nesting bird season, these surveys will generally be conducted outside of the nesting bird season. The surveys will focus on identifying any biological issues such as wildlife within the proposed alignment, sensitive vegetation within the proposed right-of-way, or any changes in conditions from all of the previous surveys. In addition, should construction require that work be conducted during the nesting season, FCS biologists will conduct an additional survey during the nesting season to ensure compliance pursuant to the MSHCP, the California Fish and Game Code, and the Migratory Bird Treaty Act. If nesting birds are found and the nests are within 300 feet of the construction corridor for passerine birds or 500 feet for raptors, FCS biologists will consult with the CDFW and USFWS on appropriate avoidance measures. A plan for avoidance and or minimization of impacts will be prepared and reviewed by CDFW and USFWS seeking concurrence on the approach. Once approved work can continue and the contractor will be authorized to complete construction.

If threatened or endangered species are observed in the area, the biologist will place a no-work buffer within 500 feet of the nest (which shall be flagged or fenced) during the breeding season (March 1 through September 15) to avoid direct or indirect (noise) take of listed species and State and/or Federal threatened/endangered species. The nesting season surveys for burrowing owls should be conducted between April 15 and July 15, at the peak of the breeding season.

A total of 16 hours have been allocated to this task for the purposes of cost estimation. Additional hours may be billed on a time-and-materials basis.

Task 5—Deliverables

Following the surveys, a report providing details on the locations of any species present, potential impacts to either individuals or habitat, and recommendations for either avoidance or a reduction of impacts will be prepared and submitted for review. Based on one set of review comments from the client, a final report will be prepared.

Task 6: Expanded Cultural Resources Records Search at the Eastern Information Center, Riverside County, California

The original cultural resources records search conducted for this project was stewarded by Ken Lord, PhD in January of 2015 and requested only a 0.25-mile search radius beyond the trail alignment. Since that time, consultations with USACE archaeologist Danielle Storey indicated that she is generally uncomfortable with employing such a narrow search radius and would have preferred at least a 0.50-mile investigation be used. Furthermore, Ms. Storey feared that after the determination of an appropriate Area of Potential Effects (APE), the search radius would barely extend outside of the project boundaries. She indicated that she would prefer a 0.50-mile buffer to fully encompass the APE. This augment proposal includes expanding the cultural resources records search from the originally proposed 0.25-mile buffer to a 0.50-mile buffer, as that is the boundary of which Ms. Storey originally expressed approval. It is believed that since this is a robust trail project spanning over 10 miles, a search radius of a full 1-mile would contain excessive information, neither pertinent nor applicable to the project APE.

FCS will request or conduct a records search at the Eastern Information Center located at the University of California, Riverside. The records search will include the proposed project APE and a 0.50-mile search radius beyond the APE boundaries. The records search will include a review of the National Register of Historic Places, the California Register of Historical Resources, the California Inventory of Historic Resources, the California Historical Landmarks, the California Points of Historical Interest listing, the Historic Property Data File (OHP current computer list, 2014), historic maps, and other pertinent historic data.

As a records search utilizing 0.25-mile was already conducted for the project in January of 2015, every attempt will be made to limit the scope of the new records search to the additional areas not previously covered in order to minimize turn-around time and costs.

Task 6—Deliverables

Results of the expanded cultural resources records search will be included in the Section 106 Phase I Cultural Resources Assessment and Paleontological Review report. Should FCS receive the results and recognize any immediate complications, the client will be notified immediately.

Task 7: Expanded Paleontological Database and Regional Localities Search

Consultations with USACE determined that the standard paleontological search radius of 0.50-mile should be expanded to 1-mile in order to compliment the larger cultural resources records search radius. Furthermore, it was discussed that the project's proximity to the Santa Ana River increases its potential to expose fossilized materials from naturally eroded banksides. As the originally proposed paleontological database and regional localities search has not yet been requested, increasing the search radius would not equate to redundant work, but will increase the cost slightly.

Task 7—Deliverables

Results of the expanded paleontological database and regional localities search will be included in the Section 106 Phase I Cultural Resources Assessment and Paleontological Review report. Should FCS receive the results and recognizer any immediate complications, the client will be notified immediately.

Task 8: Assistance with Section 106 Native American Consultation on Behalf of USACE

A letter has previously been sent requesting the Native American Heritage Commission search its Sacred Lands File and provide recommendations on any Native American concerns. The results of the Sacred Lands File were negative and a list of 24 Native American representatives who may have additional information regarding cultural resources within the area was included in the response. After approval of draft Section 106 Consultation letters by Danielle Storey, FCS mailed outreach letters to each tribal representative on May 6, 2016 requesting any additional information they may have about the proposed project area. Should the letters receive no response, consultations with listed tribal entities will be attempted through subsequent phone calls and/or emails to ensure that every attempt has been made to receive input. This task is normally conducted by USACE during the review process and has the potential to greatly extend the time required to approve the report. By conducting this outreach early, and under the supervision of FCS, the USACE review process will be greatly shortened.

Task 8—Deliverables

Results of the Section 106 Native American Consultation outreach efforts will be included in the Section 106 Phase I Cultural Resources Assessment and Paleontological Review report. Should FCS receive the results and recognizer any immediate complications, the client will be notified immediately.

Task 9: Preparation of APE Definitions Letter for SHPO on Behalf of USACE

FCS will draft a letter to SHPO, on behalf of the USACE, defining and defending the APE boundaries as decided upon through consultations with USACE. This is a requirement of the SHPO review process and this task is normally conducted by USACE during their internal review process. However, completing this task early, and under the supervision of FCS, will greatly reduce both the USACE and SHPO review processes.

Task 9—Deliverables

This letter will be sent to USACE for review and approval before they, as the federal lead agency, submit it to SHPO. This letter will not be included in the Section 106 Phase I Cultural Resources Assessment and Paleontological Review report. FCS can provide a copy of this letter to the client, as needed.

Task 10: Bi-Monthly Project Team Coordination Meetings and Project Management

FCS staff will continue to be available for twice-monthly conference call meetings for the duration of the tasks assigned to FCS on the current project schedule. According to the current project schedule, FCS's tasks run through December of 2016 (a total of 11 months). This task assumes participation by the Project Director and Project Manager, and occasional participation by biological, cultural resources, and other technical staff, as needed. This task assumes participation by both the Director and Project Manager for bi-monthly team meetings totaling 1.5 hours each per month, and participation by technical specialists on an as needed basis up to a total of 9 hours.

Task 11: Ongoing Project Management

Continued participation by the FCS Director and Project Manager will ensure effective communication with the project team and government entities throughout the remainder of the project process. The Project Manager will also ensure that the FCS elements of the project are running on time and within budget, and the documents prepared in support of the project are technically correct and legally defensible. The FCS Director and Project Manager will serve as management liaison among the project team and various government staff for communication of issues, transmittal of comments, financial management (i.e., invoices), and other Project management matters.

Task 12: Preparation of Addendum to California Environmental Quality Act (CEQA) Initial Study/Mitigated Negative Declaration (IS/MND)

When a proposed project is changed or there are changes in the environmental setting, a determination must be made by the Lead Agency as to whether an Addendum or Subsequent MND is prepared. CEQA Guidelines Sections 15162 and 1564 sets forth criteria to assess which environmental documentation is appropriate. The criteria for determining whether an Addendum or Subsequent MND is prepared are outlined below. If the criteria below is true, then an Addendum is the appropriate document:

- No new significant impacts will result from the project or from new mitigation measures.
- No substantial increase in the severity of environmental impact will occur.
- No new feasible alternatives or mitigation measures that would reduce impacts previously found not to be feasible, have in fact, been found to be feasible.

Based on the project changes as noted above, it is believed the project will not result in new significant impacts or substantially increase the severity of impacts previously identified in the IS/MND certified in April of 2012.

Thus, an addendum should be prepared that will address the environmental effects associated with the project revisions. The addendum will include the project description; a description of the modifications made to the project since the IS/MND was previously adopted; mandatory findings of significance; and conclusions. The environmental analysis provided in the IS/MND remains current and applicable to the proposed changes.

If, during the preparation of the addendum, it is determined that a Subsequent MND is the appropriate document, then the Subsequent MND shall be prepared under the Contingency Task of this augment.

Task 12—Deliverables

The addendum IS/MND report will be prepared and submitted for review. Based on one set of review comments from the client and OCWD, a final report will be prepared.

Task 13: Contingency Task

The Contingency Task, if and when needed, shall be specifically authorized by the County of Riverside for the completion of the Subsequent MND or any other task as deemed appropriate by the County. The total fees for all contingency tasks shall not exceed \$8,600. If additional fees are needed to complete the contingency task(s), separate authorization will be required.

Schedule and Fees

Estimated fees for technical studies are identified below. The proposed fee is based on the scope of work described above, and includes all labor and direct costs.

Task	Firm	Fee
Task 1: Burrowing Owl Habitat Focused Surveys and Report	ECORP	\$10,328
Task 2: Endangered Species Act Section 7 Consultation	ECORP	\$58,776
Task 3: Riparian Bird Focused Surveys for ESA Section 7 Consultation	ECORP	\$33,579
Task 4: Least Bell's Vireo Habitat and Focused Surveys and Report for DBESP Response to Comment	FCS	\$11,340
Task 5: Pre-Construction Nesting Bird Surveys and Report	FCS	\$3,750
Task 6: Expanded Cultural Resources Records Search at the Eastern Information Center, Riverside County, California	FCS	\$1,700
Task 7: Expanded Paleontological Database and Regional Localities Search	FCS	\$545

Task	Firm	Fee
Task 8: Assistance with Section 106 Native American Consultation on Behalf of USACE	FCS	\$800
Task 9: Preparation of APE Definitions Letter for SHPO on Behalf of USACE	FCS	\$500
Task 10: Bi-Monthly Project Team Coordination Meetings	FCS	\$9,218
Task 11: Ongoing Project Management	FCS	\$10,600
Task 12: Preparation of Addendum to CEQA IS/MND	FCS	\$15,800
Task 13: Contingency Task	FCS	\$8,600
Total Professional Services		\$165,536
Direct Costs		\$5,000
TOTAL		\$170,536

References

County of Riverside. 2006. Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan Area. Riverside, CA: County of Riverside.

Endangered Species Act of 1973. Section 16 of the U.S. Code (1531-1544), as amended, Pub. L. No. Public Law 93-205, approved December 28, 1973, repealed the Endangered Species Conservation Act of December 5, 1969 (P.L. 91-135, 83 Stat. 275). The 1969 Act had amended the Endangered Species Preservation Act of October 15, 1966 (P.L. 89-669, 80 Stat. 926). (1973).

Halterman, M., M.J. Johnson, J.A. Holmes, and S.A. Laymon. 2015. A Natural History Summary and Survey Protocol for the Western Distinct Population Segment of the Yellow-billed Cuckoo: USFWS.

Sogge, M. K., D. Ahlers, and S.J. Sferra. 2010. A Natural History Summary and Survey Protocol for the Southwestern Willow Flycatcher. USGS. Website: <http://pubs.usgs.gov/tm/tm2a10/pdf/tm2a10.pdf>.

USFWS. 2001. Least Bell's Vireo Survey Guidelines. Carlsbad, CA: USFWS. Website: <http://www.fws.gov/pacific/ecoservices/endangered/recovery/documents/LBVireo.2001.protocol.pdf>.