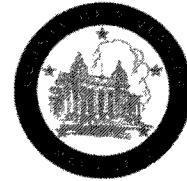


SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



ITEM  
3.13  
(ID # 5628)

MEETING DATE:

Tuesday, November 14, 2017

FROM : ECONOMIC DEVELOPMENT AGENCY (EDA):

SUBJECT: ECONOMIC DEVELOPMENT AGENCY (EDA): Environmental Assessment -  
Jacqueline Cochran Regional Airport, Detention Basin Improvement; District 4,  
[\$127,000] 100% Riverside County Airports Budget Fund 22350

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve and authorize the Chairman of the Board to execute the attached work order between the County of Riverside and Mead and Hunt, Inc. for the Environmental Assessment for Construction of a Detention Basin at Jacqueline Cochran Regional Airport;
2. Delegate change order authority to the Assistant County Executive Officer/EDA or designee in accordance with Board Policy B-11; and

ACTION: Policy

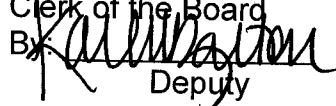
Robert Field, Assistant County Executive Officer/EDA 10/23/2017

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MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Washington, Perez and Ashley  
Nays: None  
Absent: None  
Date: November 14, 2017  
xc: EDA

Kecia Harper-Ihem  
Clerk of the Board  
By   
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA**

<b>FINANCIAL DATA</b>	<b>Current Fiscal Year:</b>	<b>Next Fiscal Year:</b>	<b>Total Cost:</b>	<b>Ongoing Cost</b>
<b>COST</b>	\$ 127,000	\$0	\$ 127,000	\$0
<b>NET COUNTY COST</b>	\$0	\$0	\$0	\$0
<b>SOURCE OF FUNDS:</b> Aviation – Riverside County Airports Budget 22350 (100%)			<b>Budget Adjustment:</b>	No
			<b>For Fiscal Year:</b>	2017/18

**C.E.O. RECOMMENDATION:** Approve

**BACKGROUND:**

**Summary**

The purpose of the project is to complete an Environmental Assessment (EA) analysis per the Federal Aviation Administration (FAA) and National Environmental Protection Agency (NEPA) requirements prior to construction of a 65 acre detention basin on airport owned land at Jacqueline Cochran Regional Airport. The future detention basin will not only meet the needs of the airport, but will be designed as part of a regional stormwater management solution in support of the Whitewater Watershed Protection Program.

The EA will be reviewed and approved by the FAA to be consistent with current FAA guidelines and consistent with the airport's master plan. Additionally, the project will meet the California Environmental Quality Act (CEQA) requirements.

Staff recommends that the Board of Supervisors approve the work and authorize the expenditure paid directly from the aviation budget.

**Impact on Residents and Businesses**

The construction of the Airport detention basin will meet airport business needs for current and future airport developments as well as aid the local community as part of the Whitewater Watershed Protection Program.

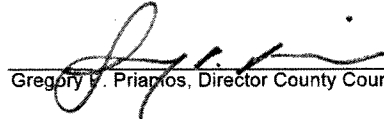
**Attachments:**

- Work Order Agreement
- Scope of Work

RF:HM:TM:MV:JV:mm 13708

SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,  
STATE OF CALIFORNIA

  
Nehini Basina, Principal Management Analyst 11/6/2017

  
Gregory V. Priamos, Director County Counsel 11/1/2017

**WORK ORDER AGREEMENT**  
**FOR**  
**JACQUELINE COCHRAN REGIONAL AIRPORT**  
**ENVIRONMENTAL ASSESSMENT FOR CONSTRUCTION OF DETENTION BASIN**  
**BY AND BETWEEN**  
**RIVERSIDE COUNTY ECONOMIC DEVELOPMENT AGENCY**  
**AND**  
**MEAD & HUNT, INC.**

This Work Order is made and entered into this 14<sup>th</sup> day of November, 2017, by and between the COUNTY OF RIVERSIDE by and through the Economic Development Agency (EDA), a public body corporate politic in the State of California (hereinafter "COUNTY"), and MEAD & HUNT, INC., (hereinafter "CONSULTANT").

**RECITALS**

**WHEREAS**, the proposed services provided in this Work Order are necessary to maintain airport drainage conditions, critical to the airport's operation;

**WHEREAS**, the COUNTY has selected CONSULTANT to provide services based on a Request for Proposal (RFP) for Airport Consulting Services that included airport planning;

**WHEREAS**, the COUNTY and the CONSULTANT have entered into a MASTER SERVICE AGREEMENT, dated 9 day of September, 2014, the terms of which apply to this Work Order;

**WHEREAS**, CONSULTANT is uniquely qualified based on their prior knowledge by completing an Environmental Assessment for land adjacent to Jacqueline Cochran Regional airport (JCRA); and

NOV 14 2017 3.13

**WHEREAS**, CONSULTANT has agreed to provide such services to COUNTY.

**NOW, THEREFORE**, in consideration of the mutual covenants contained herein, the parties hereto agree as follows:

1. **DESCRIPTION OF SERVICES**: CONSULTANT shall provide services to complete the Environmental Assessment (EA) for a stormwater detention basin at the Jacqueline Cochran Regional Airport, the Scope of Services, which is attached hereto as Exhibit A, and by this reference incorporated herein.

1.1 CONSULTANT represents and maintains that it is skilled in the professional calling necessary to perform all services, duties, and obligations required by this Agreement to fully and adequately complete the project. CONSULTANT shall perform the services and duties in conformance to, and consistent with, the standards generally recognized as being employed by professionals in the same discipline in the State of California. CONSULTANT further represents and warrants to the COUNTY that it has all licenses, permits, qualifications, and approvals of whatever nature are legally required to practice its profession. CONSULTANT further represents that it shall keep all such licenses and approvals in effect during the term of this Agreement.

2. **PERIOD OF PERFORMANCE**: CONSULTANT shall commence performance upon date of execution of this Work Order and complete performance within ten (10) months. CONSULTANT will diligently and responsibly pursue the performance of the services required of it by this Work Order through project completion unless the work is altered by written amendment(s) pursuant to the provisions in the MASTER SERVICES AGREEMENT between COUNTY and CONSULTANT, dated September 9, 2014, currently in place. In the event the services described in this fully executed Work Order are not completed during the term of the MASTER SERVICES AGREEMENT, though the work order was executed by the parties while

the MASTER SERVICES AGREEMENT was in effect, CONSULTANT shall continue to be obligated to perform the services and the COUNTY shall be obligated to pay for such services as provided in this work order.

3. **COMPENSATION:** The COUNTY shall pay the CONSULTANT for services performed and expenses incurred in accordance with the attached Exhibit A, Scope of Services.

3.1 CONSULTANT shall be paid a LUMP SUM amount of One Hundred Twenty-Seven Thousand Six Hundred Twenty-Seven Dollars (\$127,627) for Aviation Planning Services as described in Exhibit A, Scope of Services. CONSULTANT shall submit invoices monthly to the COUNTY for progress payments based on the performance of the total work completed to date.

4. **CONFLICT OF INTEREST:** CONSULTANT shall have no interest, and shall not acquire any interest, direct or indirect, which will conflict in any manner or degree with the performance of services required under this Agreement.

5. **DESIGNATED REPRESENTATIVES:** The following individuals are designated as representatives of the COUNTY and CONSULTANT respectively to act as liaison between the parties:

**AGENCY**  
Tim Miller  
Aviation Director  
County of Riverside, EDA Aviation  
3403 10<sup>th</sup> Street Suite 400  
Riverside, CA 92501  
Phone: (951) 955-4838  
Fax: (951) 955-6686  
Email: [tmiller@rivco.org](mailto:tmiller@rivco.org)

**CONSULTANT**  
David Dietz  
Project Manager  
Mead & Hunt, Inc.  
133 Aviation Boulevard, Suite 100  
Santa Rosa, CA 95403  
Phone: (707) 284-8687  
Email: [david.dietz@meadhunt.com](mailto:david.dietz@meadhunt.com)

Any change in designated representatives shall be promptly reported to the other party in order to ensure proper coordination of the Project.

6. **NOTICES:** All correspondence and notices required or contemplated by this Agreement shall be delivered to the respective parties at the addresses set forth below and are deemed submitted one (1) day after their deposit in the United States Mail, postage prepaid:

**AGENCY**

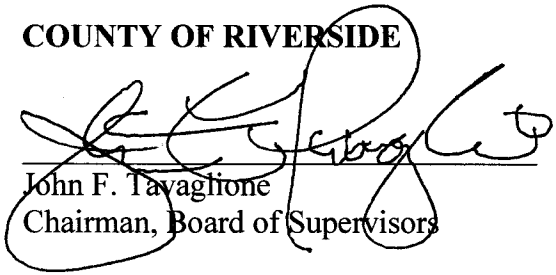
Tim Miller  
Aviation Director  
County of Riverside, EDA Aviation  
P.O. Box 1180  
Riverside, CA 92502

**CONSULTANT**

Jon J. Faucher  
Vice President  
Mead & Hunt, Inc.  
1360 19<sup>th</sup> Hole Drive, Suite 200  
Windsor, CA 95492

IN WITNESS WHEREOF, the parties hereto have caused their duly representatives to execute this Agreement.

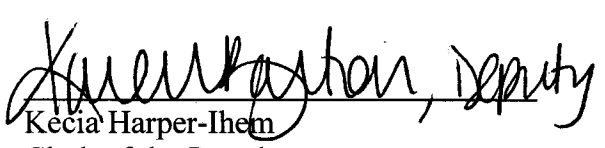
**COUNTY OF RIVERSIDE**

  
\_\_\_\_\_  
John F. Tavaglione  
Chairman, Board of Supervisors

**MEAD & HUNT, INC.**


  
\_\_\_\_\_  
Mitchel Hooper  
Vice President

**ATTEST**

  
\_\_\_\_\_  
Kecia Harper-Ihem  
Clerk of the Board

**APPROVED AS TO FORM:**

Gregory P. Priamos  
County Counsel

  
\_\_\_\_\_  
Marsha L. Victor  
Deputy County Counsel

## **Scope of Services**

### **Environmental Assessment for the Construction of a Detention Basin Jacqueline Cochran Regional Airport (TRM) Thermal, California**

September 7, 2017

#### **Project Understanding**

The County of Riverside's Economic Development Agency's (EDA) Aviation Department operates the Jacqueline Cochran Regional Airport (TRM), which is located 1 mile west of Thermal, California. EDA proposes to improve the airport's drainage facilities through the construction of an additional stormwater detention basin at TRM to accommodate existing and future drainage needs. The proposed 65-acre basin would be designed as part of a regional stormwater management solution in support of the Whitewater Watershed Protection Program. The new basin would be constructed in the southeastern portion of TRM, east of Runway 35, and outside of the runway object free area (OFA). The basin would also convey water from the airport's existing stormwater basin to eliminate long-standing open water on the airport. Water from the existing and proposed on-site basins would be conveyed off site to a regional network and eventually to the Whitewater River.

#### **Scope of Services**

Mead & Hunt, Inc. (the Consultant) developed the following Scope of Services to prepare an Environmental Assessment (EA) for the construction of a proposed retention basin at TRM pursuant to: FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airports*; FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*, appropriate Council on Environmental Quality (CEQ); United States Department of Transportation (DOT); Federal Aviation Administration (FAA) environmental regulations and guidance; and other applicable Federal laws, as appropriate. This Scope of Services was prepared to reflect guidance set forth in FAA Order 1050.1F. The EA will evaluate the potential environmental and social effects of the proposed construction and operation of the basin on and near TRM (the area of effect will vary by environmental resource/issue area).

The Consultant envisions that the EA will be completed in accordance with the following ten tasks during an approximated six-month timeframe. If EDA requires additional services, the Consultant will revise its scope, cost and schedule as necessary.

#### **Task 1. Project Coordination and Project Management**

The Consultant will work closely with EDA, FAA, and other stakeholders to prepare an EA that is legally sufficient and will support a Finding of No Significant Impact (FONSI). We will undertake continuous coordination with EDA staff to oversee and administer the contract, scope, and budget including:

- Contract, budget, schedule and invoice preparation.
- Project and budget monitoring, including monthly project reports.
- Ongoing assistance with FAA review.

# **Exhibit "A"**



### **Task 1.1 Agency Coordination**

The Consultant will facilitate coordination among FAA and other stakeholders as warranted, such as coordination or consultation among resource agencies, community groups, and local governments. FAA will retain responsibility for agency and tribal coordination and coordination efforts associated with specific regulatory requirements, such as the U.S. Fish and Wildlife Service (Section 7 of the U.S. Endangered Species Act), State/Tribal Preservation Officers (SHPO/THPO; Section 106 of the National Historic Preservation Act), and the U.S. Army Corps of Engineers (Section 404 of the Clean Water Act).

Regular teleconferences will be held between the consultant team, EDA, and FAA. The purpose of the teleconferences will be to report on progress made on the project, disperse and receive information among participants, report on important tasks that have been completed, identify problems encountered for the purpose of resolution, and generally afford an opportunity to review the work and findings at various stages of completion.

### **Project Schedule and Budget Management**

The Consultant's project manager will develop and maintain a project schedule for preparing the EA and maintain the schedule as appropriate through ongoing consultation with EDA and FAA. The project manager will prepare an invoice each month that compares the percentage of the work completed with the percentage of the project completed.

The project manager will communicate frequently with EDA throughout the project duration, including meetings, teleconferences, and email as necessary. We estimate that at least three meetings will be held during the project duration; a project kick-off meeting, a meeting to discuss the Draft EA prior to public circulation (Task 9), and a meeting to discuss received comments and to prepare the Final EA (Task 9). Each meeting will be held at the airport or at FAA's Airports District Office.

### **Quality Assurance/Quality Control**

The Consultant will implement an ongoing quality assurance/quality control (QA/QC) program throughout the project duration. Our project managers will be directly involved to allocate appropriate resources to support the project's technical needs and schedule. All project deliverables will be reviewed by two members of our staff for completion, accuracy, and compliance with FAA orders and guidance. QA/QC costs are not identified as a separate line item, but incorporated with each task/element of this scope of work.

### **Assumptions:**

- The project duration will be 10 months. The project will be as defined as described the Project Understanding.
- A designated EDA staff member will be accessible and serve as a single point of contact throughout project activities.
- Available, pertinent information associated with the proposed project will be provided in a timely fashion.

**Deliverables:**

- Agency Coordination throughout the project duration.
- Monthly invoices and progress report.
- Schedule preparation and maintenance.
- Attendance and facilitation of a project kick-off meeting with County and FAA staff.

**Task 2. Review Project Design and Revise Airport Layout Plan**

**Task 2.1 Review Project Definition and Design**

The proposed drainage basin will be constructed as part of the regional Whitewater Watershed Protection Program. The basin will be designed by Alfred A. Webb Associates (Webb), a consultant to Riverside County.

The Consultant will review the design of the proposed stormwater management basin and associated appurtenances prepared by Webb to determine their compatibility with airport operations in accordance with FAA Advisory Circular (AC) 150/5300-13 "Airport Design" (current version), AC 150/5200-33B, "Wildlife Hazard Attractants On and Near Airports", and other pertinent FAA regulations and guidance. The Consultant will prepare a technical memo or letter report to summarize its findings and, if necessary, will provide recommendations for making the proposed basin compatible with aircraft operations. Following delivery of the Consultant's technical memorandum/letter report, the Consultant will participate in a teleconference with Webb and EDA County staff. If necessary, the Consultant will review a revised project design and provide a follow-up memorandum to describe whether the revised design complies with FAA regulations and guidance.

**Assumptions:**

- Webb will provide design drawings, an engineering report, and background documentation associated with the regional stormwater management program to EDA staff.
- EDA staff will provide project design materials to FAA within two weeks of Notice to Proceed.
- If necessary, revised plans will be provided to Mead & Hunt within two weeks of the conference call described in Task 2.1.

**Deliverables:**

- Technical memorandum/letter report describing the compatibility of the proposed design with airport operations.
- Participation in one teleconference to discuss the design review findings.
- If necessary, a second technical memorandum/letter report describing the compatibility of the revised design with airport operations.

### **Task 2.2 Facilitate FAA Airspace Review**

The proposed basin and appurtenances will require airspace review by the FAA before it can be included on the ALP. The Consultant will prepare the data and graphics needed for submission of the proposed basin and appurtenances for airspace review. Project information will be submitted to the FAA using the 7460 web portal. The Consultant staff will monitor the web portal weekly until the airspace review is approved, and we will respond to any requests for clarification or additional data. The Consultant will contact EDA to verify that it has received a copy of the response letter when it is issued by the FAA.

#### **Deliverables**

- Data and graphics for submission to the FAA web portal.
- Copy of FAA response letter.

### **Task 2.3 Revise Airport Layout Plan**

The Consultant will prepare a "pen and ink" revision to the ALP to reflect the proposed location and dimensions of the proposed detention pond and associated appurtenances. The modifications will be consistent with current (as of May 2017) FAA standards for ALPs. Up to 15 printed copies of the ALP will be provided for use by EDA. EDA will be responsible for shipping signed ALP sets to the FAA. If necessary, the Consultant will incorporate one round of revisions into the ALP to respond to FAA comments. Upon FAA approval, the Consultant will provide EDA with a copy of the revised ALP set in a PDF format.

#### **Assumptions**

- A draft ALP will be provided within three weeks of the notice to proceed.
- Any necessary revisions requested by EDA will be made within one week of the receipt of the comments.
- Any revisions requested by the FAA will be made within two weeks of the receipt of comments.

#### **Deliverables:**

- An updated AutoCAD drawing of the ALP.
- Up to 15 printed copies of the updated ALP.
- A PDF copy of the ALP set following approval by the FAA.

### **Task 3. Specialized Environmental Studies and Agency Consultation**

The Consultant's team will undertake specialized environmental studies to identify the presence and extent of environmental resources present in the project study area and to identify potential airspace concerns. The results of the environmental studies will be used to formulate reasonable alternatives (see Task 4) that will fulfill the project purpose and need (see Task 3). The results of the

#### **Task 3.1 Identify Biological Resources and Constraints (including Wetlands)**

Although the proposed EA will be developed to fulfill only NEPA requirements, biological field studies will

be prepared so that data may be used to develop appropriate documentation pursuant to NEPA and the California Environmental Quality Act (CEQA).

#### **Task 3.1.1: Desktop Site Review**

The Consultant will conduct a desktop review and research of the Project Site prior to conducting fieldwork. The following literature and materials will be reviewed:

- Aerial photographs of the Project site to determine the potential presence of jurisdictional waters and wetlands;
- USGS topographic maps to determine the presence of any "blue line" water features;
- USFWS National Wetlands Inventory (NWI) maps to identify potential mapped wetlands;
- USDA soil mapping data;
- USFWS Information for Planning and Conservation (IPaC) and California Natural Diversity Database (CNDDB) to determine the potential presence for threatened and endangered (T&E) wildlife and plant species.

#### **Task 3.1.2: Biological Assessment and Jurisdictional Delineation**

The Consultant will conduct a site assessment with a two-person team consisting of a lead biologist/delineator and a biologist/technician. The Consultant's team will conduct a pedestrian survey that will include 100 percent visual coverage of the ground surface over the entire proposed Project Site and Study Area. During the survey, the biologists will record observed plant and wildlife species, soil types, hydrological characteristics, and overall habitat type. In conjunction with the biological survey, the Consultant's biologists will be looking to locate any potential jurisdictional waterbodies. If wetlands, streams, or other waterbodies are encountered, a delineation will be conducted in accordance with the USACE Wetlands Delineation Manual and the Arid West Regional Supplement Version 2.0. A Trimble GeoXH™ global positioning system (GPS) will be utilized to record boundaries of any wetlands or waters observed.

#### **Task 3.1.3: Biological Assessment and Jurisdictional Delineation Report Preparation**

The Consultant will prepare a report based on knowledge of the special-status resources in the region, a review of relevant background literature, and a focused field survey of the Study Area. A discussion of plant and animal species observed on site will be included. Additionally, the report will be intended to provide the biological information that is necessary to avoid or minimize impacts to Waters that are potentially jurisdictional. This information may also be used in support of permit applications (if any) associated with impacts to these Waters.

#### **Assumptions:**

- EDA will provide property access to Consultant's personnel to complete the surveys.
- No agency consultation will be initiated under this scope of services.

**Deliverables:**

- A final report incorporating the findings of all surveys.

**Task 3.2 Cultural, Historical, Archaeological, and Paleontological Resources**

**Task 3.2.1 Identify Cultural, Historical, and Archaeological Resources**

The Consultant will confer with the FAA at the onset of the Project to validate the Area of Potential Effect (APE) associated with the Project. The APE takes into account all direct and indirect impacts to potentially significant cultural resources. For the purposes of this cost estimate, it is assumed that the Project APE will consist of the approximately 1.7-mile-long pipeline alignment and 65-acre detention basin locations, along with a 50-foot-wide surrounding buffer.

The Consultant will complete a cultural resource literature review and records search at the Eastern Information Center (EIC), housed at the University of California, Riverside. For purposes of this Project, this search will encompass a one-mile radius of the Project area.

The Consultant will prepare a draft letter to the Native American Heritage Commission (NAHC) for a search of the Sacred Lands Files. The Consultant will also prepare a draft letter to Native American individuals and organizations. The draft letters will be submitted to the FAA for the purpose of initiating Section 106 tribal consultation.

The Phase I cultural resource investigation will entail a complete and intensive pedestrian survey of the Project APE by two qualified archaeologists. Survey transect spacing will range from 10 to 15 m (30 to 50 feet), and all landforms likely to contain or exhibit archaeologically or historically sensitive cultural resources will be inspected carefully to ensure that visible, potentially important cultural resources are discovered and documented. Additionally, the surveyors will investigate any unusual contours, soil changes, distinctive vegetation patterns, features such as road cuts, ditches, and stream cuts, and other potential cultural site markers. This scope assumes that only one previously documented resource (the Thermal Army Air Field) will be encountered that requires an update to the site record and a formal evaluation of the resource.

The Consultant will prepare a report of our findings to Section 106 and CEQA standards. This report will include a project description, regulatory context, APE map, cultural setting, study methods and results, resource evaluations, and recommendations for further cultural resources management, if necessary. The report will also incorporate the results of the records search from the EIC, as well as communication with local Native American tribes.

Although the proposed EA will be developed to fulfill only NEPA requirements, cultural resource field studies will be prepared so that data may be used to develop appropriate documentation pursuant to NEPA and the California Environmental Quality Act (CEQA).

**Assumptions:**

- One cultural resource will be encountered during the survey. If additional cultural resources are encountered during the survey, Project costs would be increased in accordance with the effort required to document the resource, which is based on the size and complexity of the resource.

**Deliverables:**

- A cultural resources report.

**Task 3.2.2 Identify Paleontological Resources**

The Consultant will request a museum records search at the Natural History Museum of Los Angeles County (LACM) for potential paleontological resource localities both within and near the vicinity of the Project boundary. To supplement museum collections records, a review of published and unpublished geologic mapping and literature will be performed to identify the geology and paleontology of the Project area. In addition, the Project area will be located on the Riverside County's Paleontological Sensitivity Map to determine whether or not it overlies areas of high, low, or undetermined paleontological sensitivity. Upon completion of the records search and literature review, a technical memorandum will be drafted to document the findings and to provide project-specific recommendations. All paleontological work will be conducted in accordance with the Society of Vertebrate Paleontology guidelines and will meet the requirements of the CEQA.

**Assumptions:**

- A paleontological resource field survey is not required for the Project.

**Deliverables:**

- A technical memorandum documenting results of research.

**Task 4. Prepare Project Description, Project Purpose and Need**

The Consultant will prepare a project description and a detailed purpose and need statement for the proposed basin. The project description and the purpose and need statement will define the project, and will be developed through careful consideration of the statutory objectives of the proposed Federal action (i.e., conditional approval of the Airport Layout Plan (ALP) and federal funding). The project description and purpose and need statement will be written clearly and concisely to facilitate review by agency stakeholders and members the public. It will also be presented as Chapter 2 of the EA.

The Consultant will provide ongoing coordination with the EDA staff, FAA, and affected agencies to develop and document the project description and purpose and need. The Consultant will provide a preliminary-draft of the chapter for review by EDA staff. EDA staff comments will be incorporated as appropriate. Following review by staff, the Consultant will revise the draft chapter for review by FAA. Following FAA review of the Purpose and Need chapter, the Consultant will facilitate a teleconference with FAA and EDA Staff. We will document the comments received during the meeting and revise the Draft EA chapter as necessary.

**Assumptions:**

- The purpose and need for the proposed project will reflect the data presented in the County's Drainage Master Plan for TRM as modified by the preliminary engineering in Task 2.
- Coordination for the Project Description, Purpose and Need chapter will be conducted through teleconferences and email; no on-site meetings will be necessary.

**Deliverables**

- Preliminary-draft project description, purpose, and need chapter for review by EDA staff.
- Revised chapter for review by FAA staff.
- Facilitation and participation of a teleconference with FAA and EDA staff.
- Draft Project Description, Purpose and Need chapter for incorporation into the Draft EA

**Task 5. Proposed Action and Alternatives**

NEPA's implementing regulations mandate the consideration of all reasonable alternatives to the proposed action. The CEQ has defined "reasonable" alternatives as those which are prudent or feasible from a technical and economic perspective. In some instances, a reasonable alternative to the proposed action may not exist.

The preliminary engineering design task will be used to identify possible alternatives. Alternatives identified will be subjected to an initial screening evaluation. The purpose of this initial evaluation is to dismiss alternatives that do not achieve the proposed project's purpose and need, or those which are not prudent or feasible based on technological, cost, or safety-related criteria.

If there are no unresolved conflicts concerning alternative uses of available resources, the range of alternatives may be limited to the 'no action' and 'proposed action' alternatives (FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*). It is anticipated that there will be up to one reasonable alternative to the proposed action, and that the EA will consider only the proposed action, no-action and one other alternative stormwater management technology in the analysis. If another reasonable and feasible alternative to the proposed action is identified, the Scope of Services will be amended to account for the additional alternative and its analysis.

At least one of the proposed project alternative(s) will be developed to achieve the project's purpose and need while complying with applicable FAA regulations and design guidance, including, but not limited to, FAA AC 150.5200-33B, *Wildlife Hazards On and Near Airports* and FAA AC 150/5300-13, change 1, *Airport Design*.

The Consultant will prepare a preliminary-draft alternatives discussion, which will serve as Chapter 3 of the proposed EA. Following submission of the preliminary-draft document, the Consultant will facilitate one teleconference with EDA and FAA staff. Pertinent comments received will be incorporated into the chapter for inclusion in the Draft EA.

**Assumptions:**

- Only one alternative to the preferred project will be analyzed.

**Deliverables:**

- Preliminary-draft project alternatives chapter for review by EDA and FAA staff. The chapter will describe the proposed action, no-action alternative, and one other build alternative, as well as alternatives that were considered infeasible and dismissed from detailed analysis.
- Facilitation and participation of a teleconference with FAA and EDA staff.
- Draft alternatives chapter for incorporation into the Draft EA.

**Task 6. Affected Environment**

The Affected Environment refers to the environmental conditions that exist in the absence of the proposed project. The description of the environmental conditions associated with each resource serves as the baseline against which potential environmental impacts are measured. Task 6 includes the collection and documentation of the existing environment. The Consultant will summarize the existing environment in an Affected Environment chapter. This chapter will describe each of the typical environmental resource categories included in FAA NEPA documents as described in FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*. A description of each of the following resource categories will be included. In the event that a specific resource is not present or would not be affected by the proposed project, a statement will be provided to indicate why the resource will not be affected and will not be evaluated or discussed further in the EA.

- **Air Quality:** TRM is located in the South Coast Air Quality Management District, which is a non-attainment area for three National Ambient Air Quality Standard (NAAQS) criteria pollutants; ozone (1- and 8-hour), particulate matter (PM) less than 2.5 microns, and lead (partial nonattainment), with a maintenance area for oxides of nitrogen (NOx). The EA will provide a description of the regional air quality status for each National Ambient Air Quality Standard criteria pollutants, including precursors of ozone.
- **Biological Resources:** The Consultant will obtain an official species list from the U.S. Fish and Wildlife Service to identify the potential presence of any federally endangered species in the project area per the Endangered Species Act (ESA). A search of the Natural Diversity Data Base will also be used to identify protected plant or animal species in the project area that may be included as part of the State of California Endangered Species Act (CESA). The discussion of biological resources will be based on those studied and described in Task 3.1.3. The Consultant will assist FAA with federal agency consultation associated with the presence of biological resources.
- **Climate:** The Consultant will prepare and document a qualitative discussion of existing climate conditions as well as climate change preparedness measures that may be in place within the study area (i.e., current measures in place to address climate change).
- **Coastal Resources:** The airport is located approximately 80 miles east of the Pacific coast; the Consultant will provide a statement to identify that coastal zone management regulations and



policies do not apply to the proposed project.

- **Department of Transportation Act: Section 4(f):** The Consultant will identify and document the presence of any Section 4(f) resources in the project area vicinity including public parks, recreational areas, wildlife and waterfowl refuges of national, state, or local significance, and any land sites deemed historical of national, state, or local significance.
- **Farmlands:** The Consultant will review soils maps to identify and document the presence of prime farmland, unique farmland, and farmland classified as "other than prime or unique" that is of statewide or local importance in the vicinity of the project site. We understand that no farmland will be taken out of cultivation to accommodate the proposed project.
- **Hazardous Materials, Solid Waste, and Pollution Prevention:** The Consultant will identify and document the presence of known hazardous waste generators and sites in the project vicinity using available information from federal EPA and State of California websites. Additionally, a records review will be conducted to identify current and past uses of hazardous materials or other conditions that may be pertinent to the proposed project.
- **Historical, Architectural, Archeological and Cultural Resources:** Using the data obtained from the cultural resources investigation identified in Task 3.2, the Consultant will identify and document the presence of historic, cultural, and archeological resources through a review of the National Register of Historic Places. A cultural historian and an archaeologist will undertake a record review of the proposed project area and conduct a site visit to evaluate the area of potential effect associated with the proposed site (see Task 3.2). We will assist the FAA with outreach to the Office of Historic Preservation and the State Historic Preservation Officer/Tribal Historic Preservation Officer (SHPO/THPO) as requested. Paleontological resources will also be considered through a geosensitivity analysis.
- **Land Use:** The Consultant will identify and describe existing and future land uses in project vicinity. We will review airport planning documents and local land use maps, comprehensive plans, zoning ordinances, recreation maps, and other applicable plans.
- **Natural Resources and Energy Supply:** The Consultant will identify and document energy demands and natural resource consumption associated with the project.
- **Light Emissions and Visual Effects:** Although no Federal regulations govern light emissions or visual intrusions, the Consultant will review and document local policies and regulations associated with light emissions and visual effects. A basic description of airfield lighting and scenic vista view sheds at and near the airport will be included in this section.
- **Noise and Noise-Compatible Land Use:** The Consultant will identify and describe the land uses surrounding the airport and disclose existing aircraft noise exposure throughout the project site.
- **Socio-economics, Environmental Justice, and Children's Environmental Health and Safety Risks:** The Consultant will describe existing socio-economic conditions and environmental justice populations within the airport vicinity.
- **Water Resources:** The Consultant team will identify wetlands, floodplains, and surface waters in

the vicinity of the proposed project area, groundwater conditions, and water quality. The Biological constraints study and associated fieldwork will include an investigation to identify potential wetlands in the project area.

**Assumptions:**

- Resource categories described will be limited to those identified in this section.

**Deliverable:**

- Affected Environment chapter for inclusion in the EA.

**Task 7. Environmental Consequences**

This task includes the technical analyses of potential direct and indirect environmental effects of the proposed actions for the specific impact categories listed in FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*. The following tasks detail each of the resource categories that will be assessed in the EA document and specific efforts that will be undertaken for relevant resource categories.

- **Air Quality:** According to updates to the FAA Air Quality Handbook in November 2015, a construction emissions inventory must be conducted for proposed projects. Since the proposed project will not produce emissions or affect the number of aircraft operations at TRM, the Consultant will prepare and document a quantitative evaluation of emissions associated only with project-related construction activities. The analysis will be based on the projected construction schedule, vehicles/and equipment, type of fuel used, vehicle/equipment utilization rates, and the year in which construction is anticipated. Emissions of NAAQS priority pollutants associated with construction will be evaluated.
- **Biological Resources:** The Consultant will evaluate and document potential impacts to biological resources including federal and state listed threatened or endangered species, candidate species, and their critical habitats. We will assist the FAA in necessary coordination with the U.S. Fish and Wildlife Service (USFWS).
- **Climate:** The Consultant will evaluate and document potential climate-related impacts associated with construction and operation of the proposed basin.
- **Department of Transportation Act: Section 4(f):** The Consultant will evaluate and document potential effects to Section 4(f) properties as outlined in FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*. Consideration will be given to all potential uses of such properties, including direct use and constructive use. This Scope of Services assumes that no impacts to Section 4(f) properties will occur and neither a Section 4(f) nor Section 6(f) statement will be needed.
- **Farmlands:** The Consultant will evaluate and document the extent to which prime and unique farmland, could be affected by the proposed project.
- **Hazardous Materials, Solid Waste, and Pollution Prevention:** The Consultant will identify the potential effects of the proposed project on known hazardous materials. We will also address the

disposal of excavated soils and project-related construction debris.

- **Historical, Architectural, Archeological and Cultural Resources:** The Consultant will identify resources in the project vicinity that are listed or may be eligible for inclusion on the National Register of Historic Places (NRHP). We will evaluate potential resources using the criteria of effect presented in 36 CFR 800.9. The Consultant will assist FAA in coordination and consultation with the SHPO and local tribes, however, FAA will be responsible for this coordination.
- **Land Use:** Using existing and proposed land use plans, the Consultant will evaluate and document the potential impacts of the proposed project on land use compatibility or on existing and/or future land uses in the area as a result of construction and operation of the proposed project.
- **Natural Resources and Energy Supply:** The Consultant will evaluate, document and consider the potential change in energy consumption that would occur as a result of construction and operation of the proposed project. No permanent increase in energy use is anticipated.
- **Noise and Noise-Compatible Land Use:** The proposed project will not affect aircraft operations, and it is anticipated that the project will not result in any changes to aircraft noise exposure for those living or working on site or in the airport vicinity. However, temporary noise effects could be associated with project construction. The Consultant will prepare and document a qualitative discussion of the compatibility of the proposed project in an area that is exposed to aircraft noise, the potential for construction workers to be exposed to aircraft noise, and the effects of temporary construction noise.
- **Socioeconomics, Environmental Justice, and Children's Environmental Health and Safety Risks:** The Consultant will evaluate and document potential and induced socioeconomic impacts resulting from the proposed project. The impact analysis will consider both beneficial as well as adverse induced economic impacts, changes in the economic structure of the area, and economic opportunities and potential displacements resulting from shifts in economic demand. The proposed action is not anticipated to result in impacts to socio-economic conditions.

In accordance with Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, and the accompanying Presidential Memorandum, and Order DOT 5610.2, Environmental Justice, the Consultant will conduct demographic analysis that identifies and addresses potential impacts on low-income and minority populations that may be disproportionately impacted by project construction and operation.

The Consultant will identify and assess environmental health risks and safety risks that could disproportionately affect children. Environmental health risks and safety risks include those risks to health or safety that are attributable to products or substances that a child is likely to come in contact with or ingest, such as air, food, drinking water, recreational waters, soil, or products they might use to which they may be exposed.

- **Visual Effects:** The Consultant will perform and document a qualitative analysis to determine the extent to which the proposed project will affect visual resources. As neither consultation nor the need for visual simulations is anticipated, these items are not included in this Scope of Services.
- **Water Resources:** The Consultant will evaluate and document the effects of the proposed project

on water resources including wetlands, floodplains, surface waters, groundwater, and water quality. If necessary, a wetland delineation will be conducted in the project area, including the area for spoils deposition, to determine the effect of the proposed project on jurisdictional wetlands and waters of the U.S. If impacts to Section 404 of the U.S. Clean Water Act are identified, the Consultant can amend its scope and cost to assist EDA in the procurement of necessary permits and authorizations.

- **Cumulative Impacts:** The Consultant will assess each environmental resource/impact category to determine if potential cumulative impacts would result from the proposed action. Cumulative impacts will be assessed by reviewing past, present, and reasonably foreseeable projects at the airport and its vicinity. The extent of the study area for cumulative impacts will vary according to the resource evaluated.
- **Irreversible and Irrecoverable Commitment of Resources:** The Consultant will evaluate and document the potential for the proposed project to result in an impact to or loss of resources that cannot be recovered or mitigated.

The Consultant will identify Best Management Practices and mitigation measures that can be implemented to minimize potential adverse effects of the proposed action, however, significant adverse impacts are not anticipated. Each resource discussion in the EA will include a description of proposed environmental commitments and mitigation measures that can be implemented to avoid or minimize the significance of potential project-related impacts.

**Assumptions:**

- Resource categories to be evaluated are those described above.

**Deliverable:**

- Environmental Consequences chapter.

**Task 8. Preliminary Draft EA**

The Consultant will document the results of all analyses in a Preliminary Draft EA, which will be submitted to the EDA and FAA for review and comment. We will provide up to two hardcopies and an electronic version of the preliminary-draft EA for distribution to EDA and the designated FAA Environmental Protection Specialist (EPS).

The Consultant's team anticipates that a 30-day review period will be required by the EDA and FAA. Upon completion of agency review, the Consultant will facilitate a teleconference with agency staff to discuss the administrative Draft EA document. The Consultant will document all comments received and distribute meeting notes to the EDA and FAA.

Within two weeks of the receipt of FAA and Agency Comments on the Preliminary Draft EA the Consultant will address pertinent comments and prepare a revised preliminary draft EA for review by EDA and the FAA EPS. All comments received on the Preliminary Draft EA will be incorporated into a Revised Preliminary

Draft. The Revised Preliminary Draft will be presented using a track-changes format and only an electronic copy will be provided to EDA and FAA for review. The Consultant will participate in one teleconference with the Client and FAA EPS to confirm that all comments have been addressed adequately.

**Assumptions:**

- A face-to-face meeting will not be required.

**Deliverables:**

- Up to two hardcopies and an electronic version of the Preliminary Draft EA.
- Facilitation of a teleconference to discuss the Preliminary Draft EA following a 30-day agency review period.
- Meeting notes to document comments received on the Preliminary Draft EA.
- A Revised Preliminary Draft EA (electronic copy only).
- Facilitation of a teleconference to discuss the Revised Preliminary Draft EA.

**Task 9. Prepare and Circulate Draft EA**

Prior to public distribution of the Draft EA, the Consultant will work closely with EDA and FAA to prepare a Draft EA for EPS peer review, FAA Line-of-Business review, and a Screencheck Draft EA for review and comment. The Draft EA will not be circulated until the screencheck version is revised and determined to be correct and ready for circulation.

**Task 9.1 Prepare Draft EA for EPS Peer Review (Formerly Regional Review)**

Within two weeks of the receipt of FAA and Agency comments on the Revised Preliminary Draft EA, the Consultant will address pertinent comments and prepare a Draft EA for EPS peer review. Two hard copies and an electronic version (PDF format) of the Draft EA will be provided to the FAA for the EPS peer review. An electronic version of the Draft EA will be provided to EDA. A 30-day review period is anticipated.

Upon completion of the EPS peer review, the Consultant will hold a teleconference to discuss the Draft EA. The Consultant will document proposed changes to prepare a Revised Draft EA.

**Deliverables:**

- Two hard copies of the Draft EA and a complete PDF file.
- Participation in a teleconference with EDA and the EPS peer reviewer to discuss the Draft EA.
- Meeting notes to document comments received on the Draft EA and proposed changes to be incorporated prior to the FAA's Line-of-Business review.

**Task 9.2 Prepare Screencheck Version of the Draft EA for Agency Review**

Within two weeks of the EPS peer review teleconference, the Consultant will prepare a Revised Draft EA, which will be submitted for FAA Line-of-Business review. Two hard copies and a PDF file will be provided.

A 30-day Line-of-Business review period is anticipated.

Within two weeks following the receipt of comments from the FAA Line-of-Business review, the Consultant will hold a teleconference to discuss comments received on the Revised Draft EA. The Consultant will document proposed changes that will be incorporated into the Public Draft EA.

**Deliverables:**

- Two hard copies of the Revised Draft EA and a complete PDF file.
- Participation in a teleconference with EDA and other FAA representatives as necessary.
- Documentation of the teleconference and proposed changes to be incorporated prior to public circulation.

**Task 9.3 Prepare Screencheck Version of the Draft EA for Agency Review**

Within two weeks of the receipt of FAA Line-of-Business review comments on the Draft EA, the Consultant will respond to pertinent comments and prepare a screencheck version of the Draft EA. The screencheck will be presented as an electronic deliverable that highlights responses to agency comments on the Revised Draft EA. The Consultant will facilitate a teleconference with EDA and FAA within one week of the delivery of the Screencheck Draft EA.

**Assumptions:**

- Screencheck version will be delivered in PDF format.

**Deliverables:**

- Screencheck copy of the Draft EA for review by EDA and FAA.
- Facilitation of a meeting or teleconference to discuss the Draft EA following a two-week agency review period.
- Meeting notes to document comments received on the Draft EA.

**Task 9.4 Prepare Notice of Availability**

At least one month prior to public circulation of the Draft EA, the Consultant will prepare a Notice of Availability (NOA) of the Draft EA for publication in a newspaper of general circulation. The NOA will identify the locations where the Draft EA will be available, the duration of the review period, and whom to contact with questions or comments. FAA will review the draft NOA prior to publication. An approximately one week FAA review period is anticipated. The Consultant will incorporate FAA comments and provide the Final NOA to EDA for publication. EDA will be responsible for publishing and paying all fees for notice publication.

**Assumptions:**

- EDA will be responsible for NOA publication and fees.

**Deliverables:**

- Draft text for an NOA for FAA Review.
- Final NOA, which will be provided by the Consultant to EDA for distribution and publication in a newspaper of general circulation and other media outlets and websites.

**Task 9.5 Prepare Draft EA for Public Circulation**

Within one week of agency approval of the Screencheck Draft EA, the Consultant will prepare up to four hard copies and 15 compact disc (CD) copies of the Draft EA for distribution and public review at FAA's office, EDA, and additional locations identified by EDA (e.g., nearby public libraries, the Riverside County Planning Department Office, etc.). In addition, the Consultant anticipates that the EDA will post an electronic copy of the Draft EA on its website.

**Deliverables:**

- Up to four hardcopies of the Draft EA and Appendices.
- Up to 15 copies of the Draft EA and Appendices in a CD format.
- Distribution of Draft EA copies to locations approved by EDA.

**Task 10. Prepare and Circulate Final EA**

**Task 10.1 Review and Respond to Public Comments**

The Consultant team will collect, organize, and review all comments received during the 30-day public comment period and prepare a draft response to each pertinent comment. The Consultant will prepare a draft Response to Comments Report for EDA and FAA for review and comment. A 30-day review period is anticipated for the response to comments.

The Consultant will facilitate and participate in a teleconference with FAA and EDA and revise the responses as necessary. Within two weeks of the teleconference, the Consultant will prepare a final Response to Comments Report, which will become an appendix to the Final EA.

**Assumptions:**

- No additional analysis will be required as result of the public review period and comments received.
- A review discussion of the Draft Response to Comments Report will be performed by teleconference.

**Deliverables:**

- Draft Response to Comments Report for delivery to EDA and FAA.
- Facilitation and participation in a teleconference to discuss the Draft Response to Comments Report.

- Final Response to Comments Report.

#### **Task 10.2 Prepare Preliminary Final EA for Agency Review**

The analysis and text within the Draft EA document and appendices will be revised as necessary in response to comments received from the public, stakeholders, and agencies and addressed in the Response to Comments Report. The Consultant will prepare a Preliminary-Final EA for EDA review during an approximately three-week review period. Only an electronic copy of the Preliminary-Final EA will be prepared. The Consultant will hold a teleconference with EDA staff, incorporate pertinent comments, and prepare a Draft-Final Report for FAA review within one week of comment receipt.

#### **Assumptions**

- EDA will review the Preliminary Final EA within three weeks of delivery, which will be followed by a teleconference within one week.

#### **Deliverables**

- Preliminary-Final EA for review by EDA in an electronic format.
- Participation in a teleconference to discuss comments on the Preliminary-Final EA.

#### **10.3 Prepare Draft-Final EA for FAA Review**

The Consultant will incorporate pertinent EDA comments to prepare a Draft-Final EA for EDA and FAA review. A 30-day review period is anticipated. Following EDA and FAA review, the Consultant will participate in a teleconference to identify and discuss FAA comments on the Draft-Final EA.

#### **Assumptions:**

- The Draft-Final EA will be provided in electronic format (either Word or PDF).
- A 30-day FAA review period will be sufficient.

#### **Deliverables:**

- Draft-Final version of the EA for review by EDA and FAA in a PDF format.

#### **10.4 Prepare Screencheck Version of the Final EA for Agency Review**

Within one week of the receipt of agency and FAA comments on the Draft-Final EA, the Consultant will respond to pertinent comments and prepare a screencheck version of the Final EA. The screencheck will be presented as an electronic deliverable that highlights responses to agency comments on the Draft-Final EA. We will facilitate a meeting or teleconference with the EDA and FAA within two days of the delivery of the Screencheck Final EA.

#### **Assumptions:**

- The screencheck version of the EA will be provided in electronic format (either Word or PDF).



**Deliverables:**

- Screencheck copy of the Final EA for review by EDA and FAA.
- Facilitation of a meeting or teleconference to discuss the Draft EA within two days of screencheck completion.

**Task 10.5 Prepare Notice of Availability of Final EA**

At least one month prior to public circulation of the Final EA, the Consultant will prepare a NOA of the FAA EA for publication in a newspaper of general circulation and other media outlets. The notice will identify the locations where the draft EA will be available, the duration of the review period, and whom to contact with questions or comments. FAA will review the NOA prior to publication. An approximately one-week review period is anticipated. The Consultant will incorporate FAA comments and provide the Final NOA to EDA for publication in a newspaper of general circulation and other appropriate outlets.

EDA will be responsible for NOA publication and fees.

**Assumptions**

- A one-week NOA review period is sufficient for FAA.
- EDA will be responsible for paying all publication fees.

**Deliverables**

- Draft text for NOA and FAA review.
- Final NOA text for publication.

**Task 10.6 Prepare Final EA for Public Circulation**

Within one week of agency approval of the Screencheck Draft EA, the Consultant will prepare up to four hard copies and 15 compact disk (CD) copies of the Final EA for distribution and public review at FAA's office, EDA, and additional locations identified by EDA (e.g., nearby public libraries, the Riverside County Planning Department Office, etc.). In addition, we anticipate that the EDA will post an electronic copy of the Final EA on its website. We will support the FAA in the drafting of a FONSI upon request.

**Assumptions:**

- The quantities of the hard copies and CDs will be as described above.

**Deliverables:**

- Up to four hardcopies of the Final EA and Appendices.
- Up to 15 copies of the Final EA and Appendices in a CD format.
- Distribution of Final EA copies to locations approved by EDA.
- Assistance in FONSI preparation at the request of the FAA.

### **Project Responsibilities of Sponsor**

The Consultant's Scope of Services and Compensation are based on the assumption that the Sponsor will provide the following:

- A designated staff member who will be accessible and serve as a single point of contact throughout project activities.
- Available, pertinent information associated with the proposed project in a timely fashion.
- Access to and escorts for fieldwork to be performed within the AOA.
- EDA will provide the Consultant with the project design prepared by Webb within two weeks of Notice to Proceed, as well as: background data pertaining to regional stormwater improvements to support a cumulative effects analysis; supporting documentation associated with potential construction impacts (i.e. project duration, equipment, and volumes); mitigation measures; and other project design data as necessary.
- EDA will serve as the primary liaison with Webb. If appropriate, EDA will provide the Consultant with permission and information to contact on for Webb directly.

### **Project Assumptions**

- The FAA will serve as the Federal Lead Agency for the proposed project.
- EDA will serve as the Project Sponsor.
- The proposed project includes the preparation of an EA pursuant to NEPA. Environmental documentation pursuant to the CEQA is not included at this time.
- All project-related studies will be developed so that they will support the development of a NEPA EA and the subsequent development of an Initial Study pursuant to the CEQA.
- No environmental impacts will be identified that cannot be mitigated to less-than-significant levels, and the project will conclude with FAA's issuance of a FONSI.
- Up to three project alternatives will be reviewed in detail: The preferred alternative, a no-action alternative, and a second build alternative.
- FAA will be responsible for preparation of the FONSI. The Consultant will provide assistance upon request.

### **Schedule**

The Consultant anticipates an approximately 10-month project schedule as shown in Table 1. The Consultant is poised to begin work immediately upon Notice to Proceed (NTP).

**Table 1 - Project schedule**  
(in months)

Task/Duration after NTP	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>1. Project Coordination and Management</b>	█	█	█	█	█	█	█	█	█	█	█	█	█	█
<b>2. Review Design and Revise ALP ("Pen and Ink Revision")</b>														
<b>3. Environmental Field Studies and Background Reports</b>		█	█	█	█									
<b>4. Project Description, Purpose and Need</b>		█	█	█										
<b>5. Proposed Action and Alternatives (Preferred, Alt. build, and No-build)</b>		█	█	█										
<b>6. Affected Environment and 7. Environmental Consequences</b>			█	█	█	█								
<b>8. Preliminary Draft EA Review EDA Review and Necessary Revision 30-day FAA review plus teleconference</b>					█	█								
<b>9. Prepare and Circulate Draft EA</b> • EPS Peer Review (30 days plus teleconference and revision) • Line of Business Review (30 days plus teleconference and revision) • Screencheck-draft Review (two week review and comment period). • Draft EA and Circulation and 30-day public comment period.						█	█	█						
								█	█	█				
										█	█			
												█	█	
<b>10. Prepare and Circulate Final EA</b> Prepare response to comments document and Draft EA Prepare and Review Draft-Final EA (30 days) Circulate Final EA												█	█	
												█	█	
														█

Our schedule is based on the following assumptions:

- FAA and EDA staff will be available to review documents and proposed revisions in accordance with the timeframes specified in the EA.
- Development of the project description, purpose and need, and alternatives can be completed within the six-week timeframe identified above, including FAA review and comment.

**Compensation**

The Consultant estimates that it can complete the proposed project for an estimated cost of \$127,627, which includes labor and direct costs. A detailed budget is provided as Attachment A.

Jacqueline Cochran Regional Airport  
Environmental Assessment for Detention Basin

	Principal/ Client Manager	Project Manager	Project Planner	Scientist III	Scientist II	GIS	Hydro Proj. Engineer	Hydro Eng. I	Admin. Assistant	Tech. Editor	Clerical	Subtotal by task
	\$281	\$271	\$182	\$148	\$137	\$137	\$187	\$118	\$92	\$106	\$80	
<b>TASK 1: PROJECT COORDINATION AND MANAGEMENT</b>												
Task 1.1 Agency Coordination	2	8	24									\$ 6,536
Task 1.2 Project Schedule and Budget management	2	2	12									\$ 3,768
<b>Subtotal</b>	<b>2</b>	<b>10</b>	<b>36</b>									<b>\$ 10,304</b>
<b>TASK 2: REVIEW/PROJECT DESIGN AND REVISE AIRPORT LAYOUT PLAN</b>												
Task 2.1 Review Project Definition and Design		1	8				8	2		1		\$ 3,565
Task 2.2 Facilitate FAA Airspace Review (7460 Review)		2	16									\$ 3,454
Task 2.4 Revise Airport Layout Plan ("Pen and Ink" change)		2	16				8	2				\$ 3,454
<b>Subtotal</b>		<b>5</b>	<b>40</b>									<b>\$ 10,473</b>
<b>TASK 3: SPECIALIZED ENVIRONMENTAL STUDIES</b>												
Task 3.1 Biological Resources Study Review		1	2									\$ 635
Task 3.2 Cultural Resources Study Review		1	2									\$ 635
<b>Subtotal</b>		<b>2</b>	<b>4</b>									<b>\$ 1,270</b>
<b>TASK 4: PROJECT DESCRIPTION, PURPOSE AND NEED</b>												
Task 4.1 Project Description/Definition of Proposed Action		4	8				4			1		\$ 3,088
Task 4.2 Project Purpose and Need Chapter		2	4				4			1		\$ 2,004
<b>Subtotal</b>		<b>6</b>	<b>12</b>				<b>8</b>			<b>1</b>		<b>\$ 5,092</b>
<b>TASK 5: PROPOSED ACTION AND ALTERNATIVES</b>												
Task 5.1 Identify Alternatives		4	12				4			1		\$ 3,268
Task 5.2 Prepare Alternatives Chapter		2	4				4			1		\$ 2,004
<b>Subtotal</b>		<b>6</b>	<b>16</b>				<b>4</b>			<b>1</b>		<b>\$ 5,272</b>
<b>TASK 6: AFFECTED ENVIRONMENT</b>												
Task 6.1 Air Quality			1	8			2			2		\$ 1,852
Task 6.2 Biological Resources			2				6			2		\$ 1,398
Task 6.3 Climate			1				4			1		\$ 836
Task 6.4 Coastal Resources			1				4			1		\$ 836
Task 6.5 DOT Section 4(f) Resources (Includes 4(f) Statement)			1				1			2		\$ 1,216
Task 6.6 Farmland			1				2			1		\$ 562
Task 6.7 Haz. Materials, Solid Waste and Pollution Prevention			1				4			2		\$ 942
Task 6.8 Historical, Arch., Arch., and Cultural Resources			2				4			2		\$ 1,124
Task 6.9 Land Use			2				8			2		\$ 1,672
Task 6.10 Natural Resources and Energy Supply			1				6			1		\$ 1,110
Task 6.11 Noise and Noise-Compatible Land Use			1	12			1			2		\$ 2,307
Task 6.12 Socio, Env. Justice, and Children's Health			1				8			2		\$ 1,490
Task 6.13 Visual Effects			2				8			2		\$ 1,672
Task 6.14 Water Resources			1				8			2		\$ 2,038
Task 6.15 Construction Impacts			1				4			1		\$ 836
<b>Subtotal</b>			<b>18</b>	<b>20</b>			<b>72</b>			<b>4</b>		<b>\$ 19,192</b>

	Principal/ Client Manager	Project Manager	Project Planner	Scientist III	Scientist II	GIS	Hydro Proj. Engineer	Hydro Eng. I	Admin. Assistant	Tech. Editor	Clerical	Subtotal
<b>TASK 6: ENVIRONMENTAL CONSEQUENCES</b>												
Task 7.1	Air Quality				8							\$ 1,366
Task 7.2	Biological Resources		1		2							\$ 1,004
Task 7.3	Climate		1		4							\$ 730
Task 7.4	Coastal Resources		0		0							\$ -
Task 7.5	DOT Section 4(f) Resources (Includes 4(f) Statement)		1		4							\$ 730
Task 7.6	Farmland		1		1							\$ 319
Task 7.7	Haz. Materials, Solid Waste and Pollution Prevention		1		4							\$ 730
Task 7.8	Historical, Arch., and Cultural Resources		1		2							\$ 456
Task 7.9	Land Use		1		4							\$ 730
Task 7.10	Natural Resources and Energy Supply		1		2							\$ 456
Task 7.11	Noise and Noise-Compatible Land Use		1	12	1							\$ 2,095
Task 7.12	Socio, Env. Justice, and Children's Health		1		4							\$ 730
Task 7.13	Visual Effects		1		2		2					\$ 456
Task 7.14	Water Resources		2		4							\$ 1,186
Task 7.15	Construction Impacts		1		2							\$ 456
Task 7.16	Irreversible Irretrievable Commitment of Resources		1		4							\$ 836
Task 7.17	Cumulative Impacts		4		16		4				1	\$ 3,680
	<b>Subtotal</b>		20		62		6				3	\$ 15,960
<b>TASK 8: PRELIMINARY DRAFT EA - EDA AND FAA REVIEW</b>												
Task 8.1	Prepare Prelim-Draft EA (and meeting)		8	12	12						4	\$ 7,380
	<b>Subtotal</b>		8	12	12						4	\$ 7,380
<b>TASK 9: PREPARE AND DISTRIBUTE DRAFT EA</b>												
Task 9.1	Prepare Draft EA for Agency Review		1	8	8						4	\$ 3,567
Task 9.2	Prepare Screencheck Version for Agency Review		1	4	8						1	\$ 2,361
Task 9.3	Prepare/Distribute Draft EA		34	34	8							\$ 7,924
Task 9.4	Prepare Notice of Availability		1	1	8							\$ 182
	<b>Subtotal</b>		2	47	24						5	\$ 14,034
<b>TASK 10: PREPARE AND DISTRIBUTE FINAL EA</b>												
Task 10.1	Review and Respond to Comments		2	8	8						1	\$ 3,360
Task 10.2	Prepare Draft-Final EA for Agency Review		2	2	8						2	\$ 2,534
Task 10.3	Prepare Screencheck Version of Final EA		2	2	4						1	\$ 1,720
Task 10.4	Prepare Final EA for Circulation		1	1	4							\$ 1,370
Task 10.5	Prepare Notice of Availability for Final EA		1	1	4							\$ 182
	<b>Subtotal Labor</b>		2	14	24						4	\$ 9,166
	<b>Subtotal Labor</b>		2	219	206		10	8	2	0	42	\$ 98,143
<b>DIRECT COSTS</b>												
Item/Expense	Units	Cost per Unit										
Transportation (Airfare 4 trips for two people)	3	300										\$ 900
Per diem (Meals and Lodging) for 8 days X 2 people	6	145										\$ 870
Rental Car and Gas (4 trips for 8 days)	3	200										\$ 600
Production (Printing and CDs)												\$ 750
Postage and Delivery												\$ 750
Misc. Supplies												\$ 250
Subcontractor - Biological Services Consultant												\$ 11,161
Subcontractor - Cultural Resources Consultant												\$ 10,357
<b>Subtotal Direct Costs plus 15% Markup</b>												\$ 29,484
<b>TOTAL (Labor and Direct Costs, including Subcontractors)</b>												\$ 127,627